

Electrical installation solutions for buildings

Residual current devices

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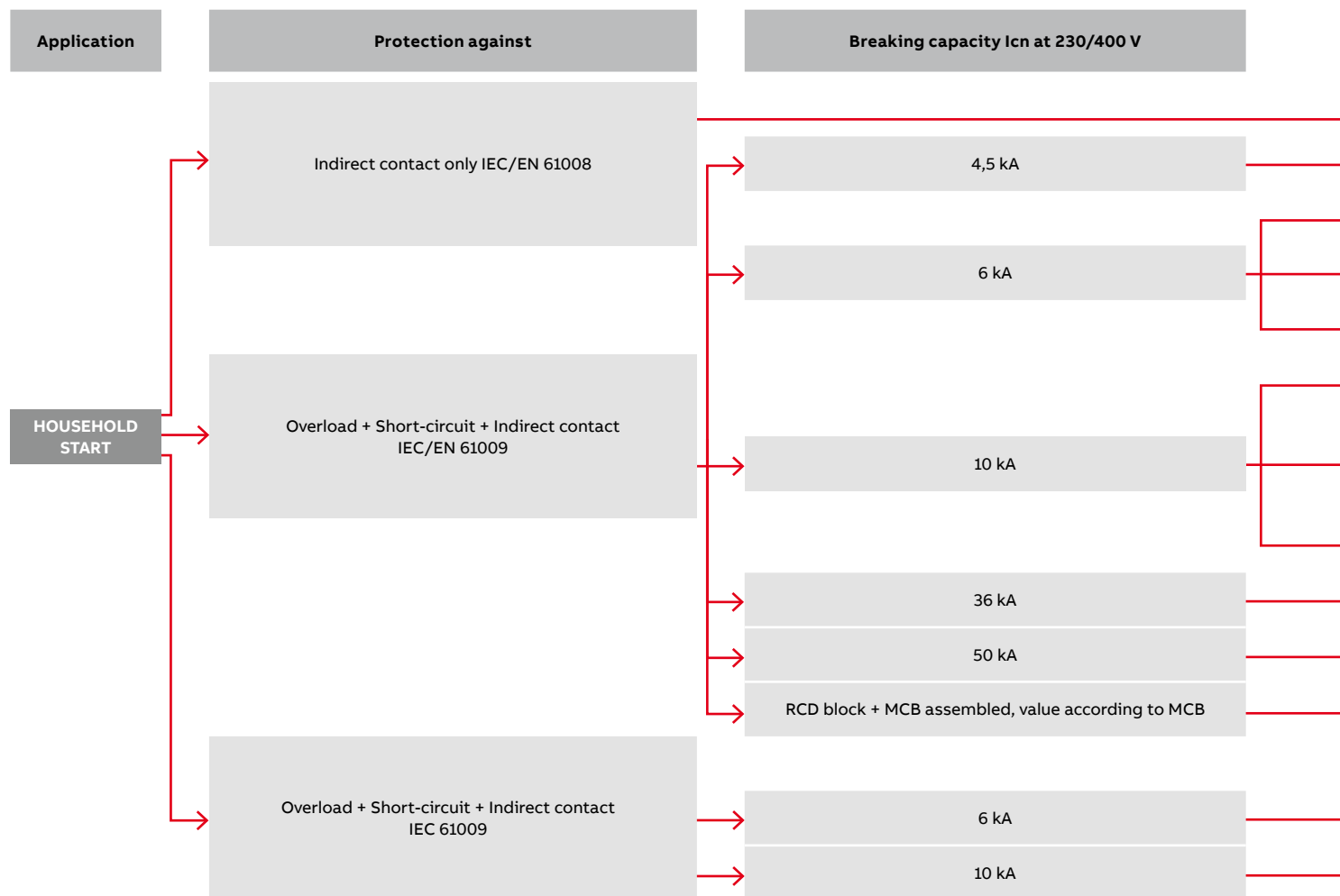
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System pro M compact®

Quick selection of RCDs for household and industrial applications

Easy! Find the right range and the corresponding catalogue page at a glance using this selection chart.



System pro M compact®

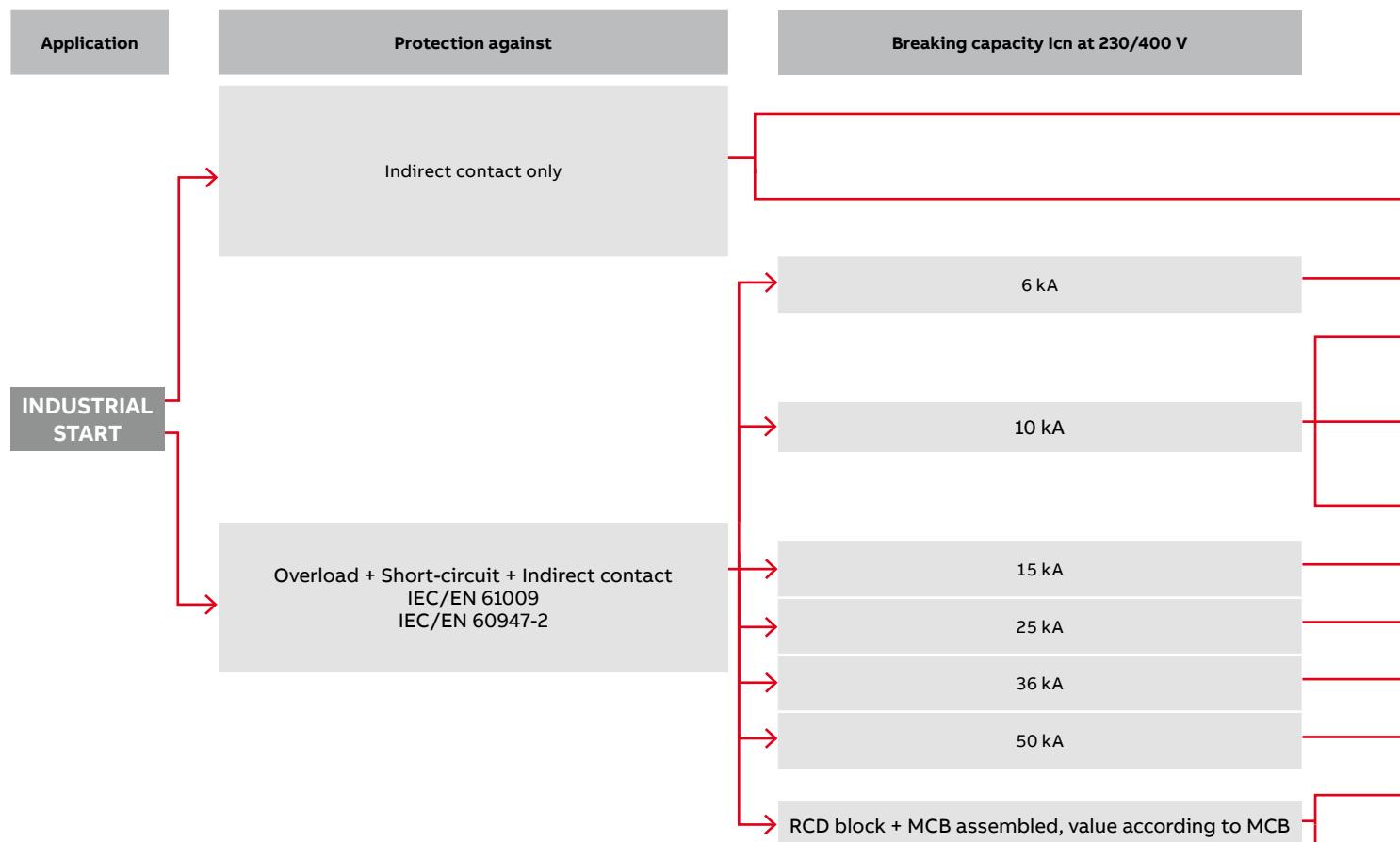
Quick selection of RCDs for household and industrial applications

| Rated current | Remark | Poles | Solution | Page |
|---------------|-----------------------------|-----------|----------------|-------------|
| Up to 125 A | | All poles | F200 | 2/10 |
| Up to 32 A | | 1P+N | DS201L | 2/66 |
| Up to 32 A | Reduced size | 2P | DS202C | 2/88 |
| Up to 40 A | Reduced size | 1P+N | DS201 | 2/68 |
| Up to 63 A | Standard size | All poles | DS 200 | 2/115 |
| Up to 32 A | Reduced size | 2P | DS202C M | 2/90 |
| Up to 40 A | Reduced size | 1P+N | DS201M | 2/78 |
| Up to 63 A | Standard size | All poles | DS 200 M | 2/119 |
| Up to 125 A | | All poles | DS800N | 2/127 |
| Up to 125 A | | All poles | DS800S | 2/126 |
| Up to 63 A | RCD: IEC/EN 61009 Ann. G | All poles | DDA 200 + S200 | 2/44 + 1/26 |
| Up to 50 A | Voltage dependent | 1P+N | DSE201 | 2/136 |
| Up to 50 A | Voltage dependent | 1P+N | DSE201M | 2/142 |

System pro M compact®

Quick selection of RCDs for household and industrial applications

Easy! Find the right range and the corresponding catalogue page at a glance using this selection chart.



System pro M compact®

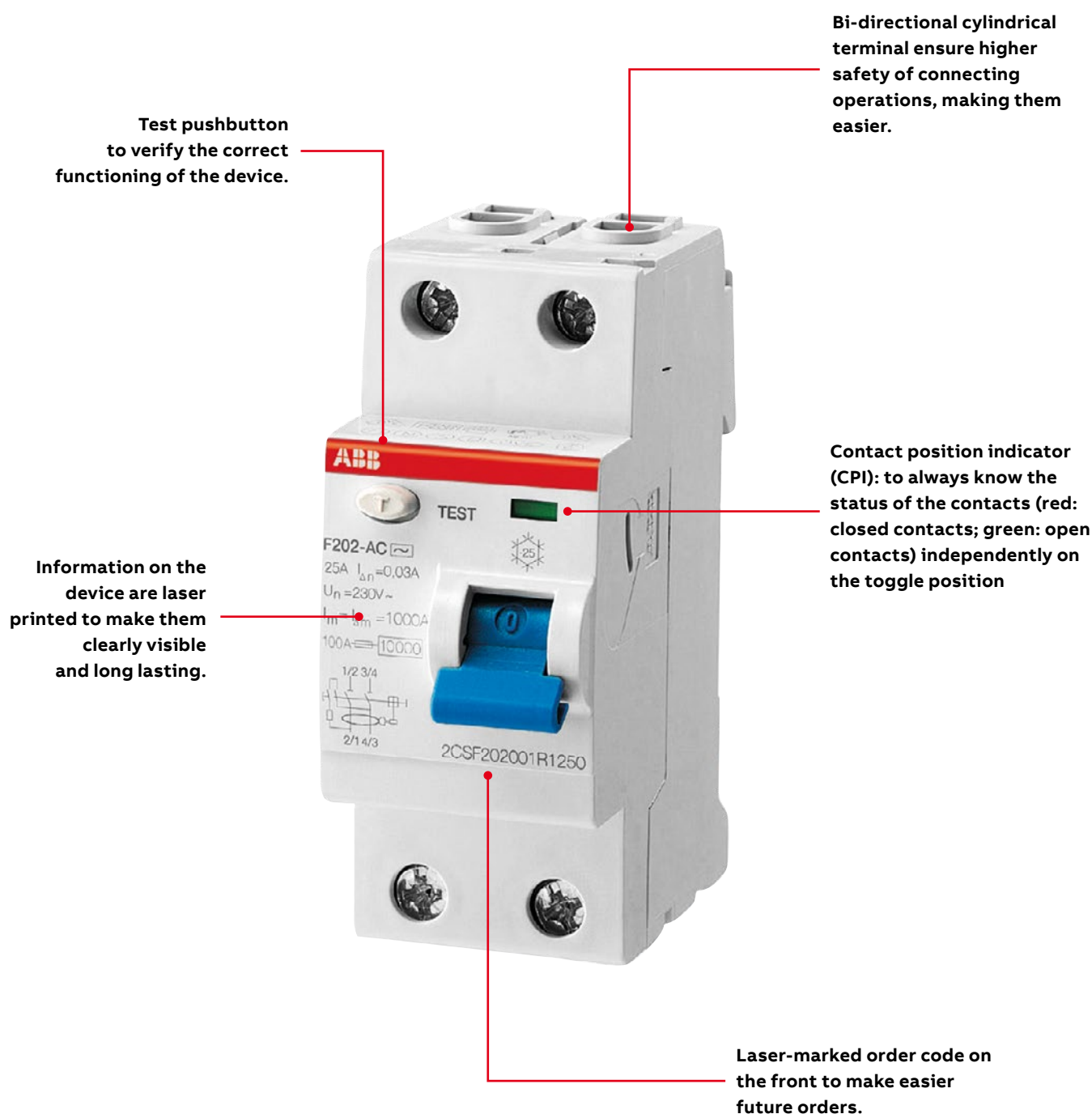
Quick selection of RCDs for household and industrial applications

| Rated current | Remark | Poles | Solution | Page |
|------------------|----------------------------|-----------|------------------|--------------|
| Up to 125 A | IEC/EN 61008 | All poles | F200 | 2/10 |
| According to MCB | IEC/EN 62020 | All poles | RD2 | 2/146 |
| | IEC/EN 60947-2 Ann. M | All poles | RD3 | 2/147 |
| Up to 32 A | | 1P+N | DS201 L | 2/66 |
| Up to 32 A | | 2P | DS202C, DS202C M | 2/88, 2/90 |
| Up to 40 A | | 1P+N | DS201, DS201 M | 2/68, 2/78 |
| Up to 63 A | | All poles | DS 200 | 2/115 |
| Up to 63 A | | All poles | DS 200M | 2/119 |
| Up to 100 A | | All poles | DDA 800 | 2/56 |
| Up to 125 A | | All poles | DS800N | 2/127 |
| Up to 125 A | | All poles | DS800S | 2/126 |
| Up to 63 A | RCD: IEC/EN 61009 Ann. G | All poles | DDA 200 + S200 | 2/44 + 1/26 |
| Up to 100 A | RCD: IEC/EN 60947-2 Ann. B | All poles | DDA 800 + S800 | 2/56 + 1/118 |

RCCB F 200.

The details make the difference

A range designed to ensure efficiency and protection





Two terminals are available, the fore one for cables up to 25 mm², the back one for cables up to 10 mm² or for busbars.



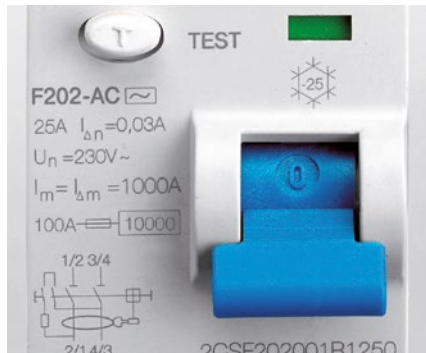
RCCBs F200 can be used in ambient conditions where the temperature of the surrounding atmosphere has values between -25 °C (snowflake laser printed on the front of the device) and +55°C.



The availability of two terminals offers different connection solutions thanks to the possibility to connect two independent cables in the same device: the second terminal can be used for an auxiliary circuit or for the supply of devices with small section cables without connecting them together with the main circuit.



All the safety ensured by the international marks: approvals' marking in a visible area, even if RCDs is installed and with the panel-door closed.



High performances:

- rated breaking capacity and rated residual breaking capacity laser printed on the device: $I_m = I_{\Delta m} = 1000 \text{ A}$
- coordination with a 100 A rated current SCPD (short-circuit protective device) = 10 000 A.



The F 202 can be coupled with the autoreclosing unit F2C-ARH in order to ensure continuity of service for the whole installation of your home avoiding lack of supply.

RCCBs

F200 technical features



| Standards | | | |
|-------------------------------------|--|---------------------------------|-----------------|
| Electrical features | Type (wave form of the earth leakage sensed) | | |
| | Poles | | |
| | Rated current I_n | | A |
| | Rated sensitivity $I_{\Delta n}$ | | A |
| | Rated voltage U_e | IEC | V |
| | | UL/CSA | V |
| | Insulation voltage U_i | | V |
| | Operating voltage of circuit test U_t | IEC | V |
| | | UL/CSA | V |
| | Rated frequency | | Hz |
| | Rated conditional short-circuit current $I_{nc}=I_{\Delta 3}$ | SCPD - fuse gG 100 A | kA |
| | Rated residual breaking capacity $I_{\Delta m}=I_m$ | | kA |
| | Rated impulse withstand voltage (1.2/50) U_{imp} | | kV |
| | Dielectric test voltage at ind. freq. for 1 min. | | kV |
| | Overvoltage category | | |
| | Surge current resistance (wave 8/20) | | A |
| Mechanical features | Toggle | | |
| | Contact position indicator (CPI) | | |
| | Electrical life | | |
| | Mechanical life | | |
| | Protection degree | housing | |
| | | terminals | |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | °C/RH |
| | Ambient temperature (with daily average $\leq +35$ °C) | IEC | °C |
| | Storage temperature | | °C |
| Installation | Terminal type | | |
| | Terminal size top/bottom for cable | IEC | mm ² |
| | | UL/CSA | AWG |
| | Terminal size top/bottom for busbar | IEC | mm ² |
| | | UL/CSA | AWG |
| | Tightening torque | IEC | Nm |
| | | UL/CSA | in-lbs. |
| | Tool | | |
| | Mounting | | |
| | Mounting position | | |
| | Connection | | |
| | Withdrawal from busbar | | |
| Dimensions and weight | Dimensions (H x D x W) | 2P | mm |
| | | 4P | mm |
| | Weight | 2P | g |
| | | 4P | g |
| Combination with auxiliary elements | Combinable with: | auxiliary contact | |
| | | signal contact/auxiliary switch | |
| | | shunt trip | |
| | | undervoltage release | |

① Ground-fault sensing and relaying equipment-component (up to 63 A)

② prior to connection of aluminium conductors (≥ 4 mm²) ensure that their contact points are cleaned, brushed and coated with grease

③ for S700-E/K 100A, S750-E 63A, S750DR-E/K 63A and other SCPD coordination values see Chapter 3 of Solutions for electrical distribution in buildings - technical details

④ F200 left neutral has not the UL certification and the UL mark

⑤ Only for versions with marking according to EN 61008-1; EN 61008-2-1

⑥ Neutral conductor can be wired anywhere for 2P devices

RCCBs

F200 technical features

| F200 AC | F200 A | F200 A AP-R | F200 A S | F200 A 110V | F200 A 400 Hz | F200 A 16 2/3 Hz |
|---|--------|--------------------------|----------------------|-------------------------------------|----------------------------------|----------------------------------|
| IEC/EN 61008-1; IEC/EN 61008-2-1, UL 1053 ① | | | | IEC 61008-1; IEC 61008-2-1; UL 1053 | IEC/EN 61008-1; IEC/EN 61008-2-1 | IEC/EN 61008-1; IEC/EN 61008-2-1 |
| AC | A | A | A | A | A | A |
| 2P ⑥, 4P (for 125 A only 4P) | | | | 2P, 4P | 4P | 2P, 4P |
| 16, 25, 40, 63, 80, 100, 125 | | 25, 40, 63, 80, 100, 125 | 40, 63, 80, 100, 125 | 25, 40, 63, 80, 100 | 25, 40 | 63 |
| 0.01-0.03-0.1-0.3-0.5 | | 0.03 | 0.1-0.3-0.5-1 | 0.03 | 0.03 | 0.03-0.3-0.5 |
| 230/400 - 240/415 | | | | | | |
| 480Y/277 (up to 100 A) | | | | - | - | |
| 500 | | | | | | |
| In ≤ 100; Right neutral: 110 (170 for 30mA) - 254 ⑤; Left neutral: 195 (250 for 30 mA) - 440 ⑤ | | | | 110-254 | 170-254 | 110 (170 for 30 mA) - 254 |
| In = 125 A; Right neutral: 185 (150 for 30 mA) - 440 (250 for 30 mA) ⑤; Left neutral: 195 (250 for 30 mA) - 440 | | | | | | |
| In ≤ 100; Right neutral: 110 (170 for 30mA) - 277 ⑤; Left neutral: 195 (250 for 30 mA) - 480 ⑤ ④ | | | | | - | |
| 50...60 | | | | | 50...400 | 16 2/3 |
| 10 (for 125 A fuse is gG 125 A) | | | | | | |
| 1 (1.25 for 125 A) | | | | | | |
| 4 | | | | | | |
| 2.5 | | | | | | |
| III, disconnecter abilities | | | | | | |
| NA | | 3000 | 5000 | NA | NA | NA |
| blue sealable in ON-OFF position | | | | | | |
| yes | | | | | | |
| 10000 (2000 for 125 A) | | | | 10000 | 10000 | 10000 |
| 20000 (5000 for 125 A) | | | | 20000 | 20000 | 20000 |
| IP4X | | | | | | |
| IP2X | | | | | | |
| 28 cycles with 55°C/90-96% and 25°C/95-100% | | | | | | |
| -25...+55 (-25...+40 for 125 A) | | | | -25...+55 | -25...+55 | -25...+55 |
| -40...+70 | | | | | | |
| failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected) (cage for In > 63 A) ② | | | | | | |
| 25/25 (35/35 single slot terminal for In > 63 A) | | | | | 25/25 | 25/25 |
| 18-4 (up to 63 A) | | | | - | - | |
| 10/10 (not for In = 80-100 A) | | | | | 10/10 | 10/10 |
| 18-8 (up to 63 A) | | | | - | - | |
| 2.8 (3 for In = 125 A) | | | | 2.8 | 2.8 | 2.8 |
| 25 (up to 63 A) | | | | - | - | |
| Nr. 2 Pozidriv | | | | | | |
| on DIN rail EN 60715 (35 mm) by means of fast clip device | | | | | | |
| Any | | | | | | |
| from top and bottom | | | | | | |
| it is possible without using any tools only from the bottom (not for 125 A) | | | | | | |
| 85 x 69 x 35 | | | | | - | |
| 85 x 69 x 70 (85 x 69.5 x 72 for 125 A) | | | | | 85 x 69 x 70 | 85 x 69 x 70 |
| 200 | | | | | - | |
| 350 (380 for In = 80 and 100 A and 460 for In = 125A) | | | | | 350 | 350 |
| yes (no for 125 A) | | | | | yes | yes |
| yes | | | | | yes | yes |
| yes (no for 125 A) | | | | | yes | yes |
| yes (no for 125 A) | | | | | yes | yes |

RCCBs

F 200 series AC  type



F202

F 200 AC type

Function: protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 2 | 10 | 16 | 779902 | F202 AC-16/0.01 | 2CSF202001R0160 | | 0.225 | 1/6 |
| | | 25 | 738022 | F202 AC-25/0.01 | 2CSF202001R0250 | | 0.225 | 1/6 |
| | 30 | 25 | 780007 | F202 AC-25/0.03 | 2CSF202001R1250 | | 0.225 | 1/6 |
| | | 40 | 780106 | F202 AC-40/0.03 | 2CSF202001R1400 | | 0.225 | 1/6 |
| | | 63 | 780205 | F202 AC-63/0.03 | 2CSF202001R1630 | | 0.225 | 1/6 |
| | | 80 | 914204 | F202 AC-80/0.03 | 2CSF202001R1800 | | 0.225 | 1/6 |
| | | 100 | 914303 | F202 AC-100/0.03 | 2CSF202001R1900 | | 0.225 | 1/6 |
| | 100 | 25 | 780304 | F202 AC-25/0.1 | 2CSF202001R2250 | | 0.225 | 1/6 |
| | | 40 | 780403 | F202 AC-40/0.1 | 2CSF202001R2400 | | 0.225 | 1/6 |
| | | 63 | 780502 | F202 AC-63/0.1 | 2CSF202001R2630 | | 0.225 | 1/6 |
| | | 80 | 914402 | F202 AC-80/0.1 | 2CSF202001R2800 | | 0.225 | 1/6 |
| | | 100 | 914501 | F202 AC-100/0.1 | 2CSF202001R2900 | | 0.225 | 1/6 |
| | 300 | 25 | 780601 | F202 AC-25/0.3 | 2CSF202001R3250 | | 0.225 | 1/6 |
| | | 40 | 780700 | F202 AC-40/0.3 | 2CSF202001R3400 | | 0.225 | 1/6 |
| | | 63 | 780809 | F202 AC-63/0.3 | 2CSF202001R3630 | | 0.225 | 1/6 |
| | | 80 | 914600 | F202 AC-80/0.3 | 2CSF202001R3800 | | 0.225 | 1/6 |
| | | 100 | 914709 | F202 AC-100/0.3 | 2CSF202001R3900 | | 0.225 | 1/6 |
| | 500 | 25 | 780908 | F202 AC-25/0.5 | 2CSF202001R4250 | | 0.225 | 1/6 |
| | | 40 | 781004 | F202 AC-40/0.5 | 2CSF202001R4400 | | 0.225 | 1/6 |
| | | 63 | 781103 | F202 AC-63/0.5 | 2CSF202001R4630 | | 0.225 | 1/6 |
| | | 80 | 914808 | F202 AC-80/0.5 | 2CSF202001R4800 | | 0.225 | 1/6 |
| | | 100 | 914907 | F202 AC-100/0.5 | 2CSF202001R4900 | | 0.225 | 1/6 |

RCCBs

F 200 series AC  type



F204



F204 125 A

| Number of poles | Rated residual current I Δ n mA | Rated current I n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 781202 | F204 AC-25/0.03 | 2CSF204001R1250 | | 0.375 | 1/3 |
| | | 40 | 781301 | F204 AC-40/0.03 | 2CSF204001R1400 | | 0.375 | 1/3 |
| | | 63 | 781400 | F204 AC-63/0.03 | 2CSF204001R1630 | | 0.375 | 1/3 |
| | | 80 | 916604 | F204 AC-80/0.03 | 2CSF204001R1800 | | 0.405 | 1/3 |
| | | 100 | 916703 | F204 AC-100/0.03 | 2CSF204001R1900 | | 0.405 | 1/3 |
| | | 125 | 941507 | F204 AC-125/0.03 | 2CSF204001R1950 | | 0.500 | 1 |
| | | | | | | | | |
| 100 | 30 | 25 | 781509 | F204 AC-25/0.1 | 2CSF204001R2250 | | 0.375 | 1/3 |
| | | 40 | 781608 | F204 AC-40/0.1 | 2CSF204001R2400 | | 0.375 | 1/3 |
| | | 63 | 781707 | F204 AC-63/0.1 | 2CSF204001R2630 | | 0.375 | 1/3 |
| | | 80 | 916802 | F204 AC-80/0.1 | 2CSF204001R2800 | | 0.405 | 1/3 |
| | | 100 | 916901 | F204 AC-100/0.1 | 2CSF204001R2900 | | 0.405 | 1/3 |
| | | 125 | 941606 | F204 AC-125/0.1 | 2CSF204001R2950 | | 0.500 | 1 |
| | | | | | | | | |
| 300 | 30 | 25 | 781806 | F204 AC-25/0.3 | 2CSF204001R3250 | | 0.375 | 1/3 |
| | | 40 | 781905 | F204 AC-40/0.3 | 2CSF204001R3400 | | 0.375 | 1/3 |
| | | 63 | 782001 | F204 AC-63/0.3 | 2CSF204001R3630 | | 0.375 | 1/3 |
| | | 80 | 917007 | F204 AC-80/0.3 | 2CSF204001R3800 | | 0.405 | 1/3 |
| | | 100 | 917106 | F204 AC-100/0.3 | 2CSF204001R3900 | | 0.405 | 1/3 |
| | | 125 | 941705 | F204 AC-125/0.3 | 2CSF204001R3950 | | 0.500 | 1 |
| | | | | | | | | |
| 500 | 30 | 25 | 782100 | F204 AC-25/0.5 | 2CSF204001R4250 | | 0.375 | 1/3 |
| | | 40 | 782209 | F204 AC-40/0.5 | 2CSF204001R4400 | | 0.375 | 1/3 |
| | | 63 | 782308 | F204 AC-63/0.5 | 2CSF204001R4630 | | 0.375 | 1/3 |
| | | 80 | 917205 | F204 AC-80/0.5 | 2CSF204001R4800 | | 0.405 | 1/3 |
| | | 100 | 917304 | F204 AC-100/0.5 | 2CSF204001R4900 | | 0.405 | 1/3 |
| | | 125 | 941804 | F204 AC-125/0.5 | 2CSF204001R4950 | | 0.500 | 1 |
| | | | | | | | | |

RCCBs

F 200 series AC  type, for overseas markets



F202

F 200 AC type (for overseas markets)

Function: protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).


Application: residential, commercial, industrial.

Standard: IEC 61008-1; IEC 61008-2-1

Marking: according to IEC 61008-1; IEC 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 2 | 10 | 16 | 814603 | F202 AC-16/0.01 | 2CSF202005R0160 | | 0.225 | 1/6 |
| | 30 | 25 | 814702 | F202 AC-25/0.03 | 2CSF202005R1250 | | 0.225 | 1/6 |
| | | 40 | 814801 | F202 AC-40/0.03 | 2CSF202005R1400 | | 0.225 | 1/6 |
| | | 63 | 814900 | F202 AC-63/0.03 | 2CSF202005R1630 | | 0.225 | 1/6 |
| | | 80 | 935902 | F202 AC-80/0.03 | 2CSF202005R1800 | | 0.225 | 1/6 |
| | | 100 | 936008 | F202 AC-100/0.03 | 2CSF202005R1900 | | 0.225 | 1/6 |
| | 100 | 25 | 815006 | F202 AC-25/0.1 | 2CSF202005R2250 | | 0.225 | 1/6 |
| | | 40 | 815105 | F202 AC-40/0.1 | 2CSF202005R2400 | | 0.225 | 1/6 |
| | | 63 | 815204 | F202 AC-63/0.1 | 2CSF202005R2630 | | 0.225 | 1/6 |
| | | 80 | 936107 | F202 AC-80/0.1 | 2CSF202005R2800 | | 0.225 | 1/6 |
| | | 100 | 936206 | F202 AC-100/0.1 | 2CSF202005R2900 | | 0.225 | 1/6 |
| | 300 | 25 | 815303 | F202 AC-25/0.3 | 2CSF202005R3250 | | 0.225 | 1/6 |
| | | 40 | 815402 | F202 AC-40/0.3 | 2CSF202005R3400 | | 0.225 | 1/6 |
| | | 63 | 815501 | F202 AC-63/0.3 | 2CSF202005R3630 | | 0.225 | 1/6 |
| | | 80 | 936305 | F202 AC-80/0.3 | 2CSF202005R3800 | | 0.225 | 1/6 |
| | | 100 | 936404 | F202 AC-100/0.3 | 2CSF202005R3900 | | 0.225 | 1/6 |
| | 500 | 25 | 883302 | F202 AC-25/0.5 | 2CSF202005R4250 | | 0.225 | 1/6 |
| | | 40 | 883401 | F202 AC-40/0.5 | 2CSF202005R4400 | | 0.225 | 1/6 |
| | | 63 | 883500 | F202 AC-63/0.5 | 2CSF202005R4630 | | 0.225 | 1/6 |
| | | 80 | 936503 | F202 AC-80/0.5 | 2CSF202005R4800 | | 0.225 | 1/6 |
| | | 100 | 936602 | F202 AC-100/0.5 | 2CSF202005R4900 | | 0.225 | 1/6 |

RCCBs

F 200 series AC  type, for overseas markets



F204

| Number of poles | Rated residual current I Δ n mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|--------------------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 817109 | F204 AC-25/0.03 | 2CSF204005R1250 | | 0.375 | 1/3 |
| | | 40 | 817208 | F204 AC-40/0.03 | 2CSF204005R1400 | | 0.375 | 1/3 |
| | | 63 | 817307 | F204 AC-63/0.03 | 2CSF204005R1630 | | 0.375 | 1/3 |
| | | 80 | 936701 | F204 AC-80/0.03 | 2CSF204005R1800 | | 0.405 | 1/3 |
| | | 100 | 936800 | F204 AC-100/0.03 | 2CSF204005R1900 | | 0.405 | 1/3 |
| | 100 | 25 | 817406 | F204 AC-25/0.1 | 2CSF204005R2250 | | 0.375 | 1/3 |
| | | 40 | 817505 | F204 AC-40/0.1 | 2CSF204005R2400 | | 0.375 | 1/3 |
| | | 63 | 817604 | F204 AC-63/0.1 | 2CSF204005R2630 | | 0.375 | 1/3 |
| | | 80 | 936909 | F204 AC-80/0.1 | 2CSF204005R2800 | | 0.405 | 1/3 |
| | | 100 | 937005 | F204 AC-100/0.1 | 2CSF204005R2900 | | 0.405 | 1/3 |
| | 300 | 25 | 817703 | F204 AC-25/0.3 | 2CSF204005R3250 | | 0.375 | 1/3 |
| | | 40 | 817802 | F204 AC-40/0.3 | 2CSF204005R3400 | | 0.375 | 1/3 |
| | | 63 | 817901 | F204 AC-63/0.3 | 2CSF204005R3630 | | 0.375 | 1/3 |
| | | 80 | 937104 | F204 AC-80/0.3 | 2CSF204005R3800 | | 0.405 | 1/3 |
| | | 100 | 937203 | F204 AC-100/0.3 | 2CSF204005R3900 | | 0.405 | 1/3 |
| | 500 | 25 | 883609 | F204 AC-25/0.5 | 2CSF204005R4250 | | 0.375 | 1/3 |
| | | 40 | 883609 | F204 AC-40/0.5 | 2CSF204005R4400 | | 0.375 | 1/3 |
| | | 63 | 883807 | F204 AC-63/0.5 | 2CSF204005R4630 | | 0.375 | 1/3 |
| | | 80 | 937302 | F204 AC-80/0.5 | 2CSF204005R4800 | | 0.405 | 1/3 |
| | | 100 | 937401 | F204 AC-100/0.5 | 2CSF204005R4900 | | 0.405 | 1/3 |

RCCBs

F 200 series AC  type left neutral



F204 left neutral



F204 left neutral 125 A

F 200 AC type with neutral pole on the left

Function: protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_n=30$ mA). Product helpful where for installation habits, for wiring with busbars or cables, for special needs neutral on the left is needed.

Application: residential, commercial, industrial.

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current I_n mA | Rated current I_n A | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|------------------------------------|--------------------------|----------------|------------------|-----------------|------------------|-------------------|-----------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 815907 | F204 AC-25/0.03 | 2CSF204023R1250 | | 0.375 | 1/3 |
| | | 40 | 816003 | F204 AC-40/0.03 | 2CSF204023R1400 | | 0.375 | 1/3 |
| | | 63 | 816102 | F204 AC-63/0.03 | 2CSF204023R1630 | | 0.375 | 1/3 |
| | | 80 | 917403 | F204 AC-80/0.03 | 2CSF204023R1800 | | 0.405 | 1/3 |
| | | 100 | 917502 | F204 AC-100/0.03 | 2CSF204023R1900 | | 0.405 | 1/3 |
| | | 125 | 975106 | F204 AC-125/0.03 | 2CSF204023R1950 | | 0.500 | 1 |
| 100 | 25 | 816201 | 816201 | F204 AC-25/0.1 | 2CSF204023R2250 | | 0.375 | 1/3 |
| | | 40 | 816300 | F204 AC-40/0.1 | 2CSF204023R2400 | | 0.375 | 1/3 |
| | | 63 | 816409 | F204 AC-63/0.1 | 2CSF204023R2630 | | 0.375 | 1/3 |
| 300 | 25 | 816508 | 816508 | F204 AC-25/0.3 | 2CSF204023R3250 | | 0.375 | 1/3 |
| | | 40 | 816607 | F204 AC-40/0.3 | 2CSF204023R3400 | | 0.375 | 1/3 |
| | | 63 | 816706 | F204 AC-63/0.3 | 2CSF204023R3630 | | 0.375 | 1/3 |
| | | 80 | 917601 | F204 AC-80/0.3 | 2CSF204023R3800 | | 0.405 | 1/3 |
| | | 100 | 917700 | F204 AC-100/0.3 | 2CSF204023R3900 | | 0.405 | 1/3 |
| | | 125 | 975304 | F204 AC-125/0.3 | 2CSF204023R3950 | | 0.500 | 1 |
| 500 | 25 | 816805 | 816805 | F204 AC-25/0.5 | 2CSF204023R4250 | | 0.375 | 1/3 |
| | | 40 | 816904 | F204 AC-40/0.5 | 2CSF204023R4400 | | 0.375 | 1/3 |
| | | 63 | 817000 | F204 AC-63/0.5 | 2CSF204023R4630 | | 0.375 | 1/3 |

RCCBs

F 200 series A  type



F202

F 200 A type

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-----------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 2 | 10 | 16 | 782407 | F202 A-16/0.01 | 2CSF202101R0160 | | 0.225 | 1/6 |
| | 30 | 25 | 782506 | F202 A-25/0.03 | 2CSF202101R1250 | | 0.225 | 1/6 |
| | | 40 | 782605 | F202 A-40/0.03 | 2CSF202101R1400 | | 0.225 | 1/6 |
| | | 63 | 782704 | F202 A-63/0.03 | 2CSF202101R1630 | | 0.225 | 1/6 |
| | | 80 | 915201 | F202 A-80/0.03 | 2CSF202101R1800 | | 0.225 | 1/6 |
| | | 100 | 915300 | F202 A-100/0.03 | 2CSF202101R1900 | | 0.225 | 1/6 |
| | 100 | 25 | 786900 | F202 A-25/0.1 | 2CSF202101R2250 | | 0.225 | 1/6 |
| | | 40 | 787006 | F202 A-40/0.1 | 2CSF202101R2400 | | 0.225 | 1/6 |
| | | 63 | 787105 | F202 A-63/0.1 | 2CSF202101R2630 | | 0.225 | 1/6 |
| | | 80 | 915409 | F202 A-80/0.1 | 2CSF202101R2800 | | 0.225 | 1/6 |
| | | 100 | 915508 | F202 A-100/0.1 | 2CSF202101R2900 | | 0.225 | 1/6 |
| | 300 | 25 | 782803 | F202 A-25/0.3 | 2CSF202101R3250 | | 0.225 | 1/6 |
| | | 40 | 782902 | F202 A-40/0.3 | 2CSF202101R3400 | | 0.225 | 1/6 |
| | | 63 | 783008 | F202 A-63/0.3 | 2CSF202101R3630 | | 0.225 | 1/6 |
| | | 80 | 915607 | F202 A-80/0.3 | 2CSF202101R3800 | | 0.225 | 1/6 |
| | | 100 | 915706 | F202 A-100/0.3 | 2CSF202101R3900 | | 0.225 | 1/6 |
| | 500 | 25 | 783107 | F202 A-25/0.5 | 2CSF202101R4250 | | 0.225 | 1/6 |
| | | 40 | 783206 | F202 A-40/0.5 | 2CSF202101R4400 | | 0.225 | 1/6 |
| | | 63 | 783305 | F202 A-63/0.5 | 2CSF202101R4630 | | 0.225 | 1/6 |
| | | 80 | 915805 | F202 A-80/0.5 | 2CSF202101R4800 | | 0.225 | 1/6 |
| | | 100 | 915904 | F202 A-100/0.5 | 2CSF202101R4900 | | 0.225 | 1/6 |

RCCBs

F 200 series A  type




F204



F204 125 A

| Number of poles | Rated residual current IΔn mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------------------------------|--------------------|--------------------|-----------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 783404 | F204 A-25/0.03 | 2CSF204101R1250 | | 0.375 | 1/3 |
| | | 40 | 783503 | F204 A-40/0.03 | 2CSF204101R1400 | | 0.375 | 1/3 |
| | | 63 | 783602 | F204 A-63/0.03 | 2CSF204101R1630 | | 0.375 | 1/3 |
| | | 80 | 917809 | F204 A-80/0.03 | 2CSF204101R1800 | | 0.405 | 1/3 |
| | | 100 | 917908 | F204 A-100/0.03 | 2CSF204101R1900 | | 0.405 | 1/3 |
| | | 125 | 941903 | F204 A-125/0.03 | 2CSF204101R1950 | | 0.500 | 1 |
| | 100 | 25 | 787204 | F204 A-25/0.1 | 2CSF204101R2250 | | 0.375 | 1/3 |
| | | 40 | 787303 | F204 A-40/0.1 | 2CSF204101R2400 | | 0.375 | 1/3 |
| | | 63 | 787402 | F204 A-63/0.1 | 2CSF204101R2630 | | 0.375 | 1/3 |
| | | 80 | 918004 | F204 A-80/0.1 | 2CSF204101R2800 | | 0.405 | 1/3 |
| | | 100 | 918103 | F204 A-100/0.1 | 2CSF204101R2900 | | 0.405 | 1/3 |
| | | 125 | 942009 | F204 A-125/0.1 | 2CSF204101R2950 | | 0.500 | 1 |
| | 300 | 25 | 783701 | F204 A-25/0.3 | 2CSF204101R3250 | | 0.375 | 1/3 |
| | | 40 | 783800 | F204 A-40/0.3 | 2CSF204101R3400 | | 0.375 | 1/3 |
| | | 63 | 783909 | F204 A-63/0.3 | 2CSF204101R3630 | | 0.375 | 1/3 |
| | | 80 | 918202 | F204 A-80/0.3 | 2CSF204101R3800 | | 0.405 | 1/3 |
| | | 100 | 918301 | F204 A-100/0.3 | 2CSF204101R3900 | | 0.405 | 1/3 |
| | | 125 | 942108 | F204 A-125/0.3 | 2CSF204101R3950 | | 0.500 | 1 |
| | 500 | 25 | 784005 | F204 A-25/0.5 | 2CSF204101R4250 | | 0.375 | 1/3 |
| | | 40 | 784104 | F204 A-40/0.5 | 2CSF204101R4400 | | 0.375 | 1/3 |
| | | 63 | 784203 | F204 A-63/0.5 | 2CSF204101R4630 | | 0.375 | 1/3 |
| | | 80 | 918400 | F204 A-80/0.5 | 2CSF204101R4800 | | 0.405 | 1/3 |
| | | 100 | 918509 | F204 A-100/0.5 | 2CSF204101R4900 | | 0.405 | 1/3 |
| | | 125 | 942207 | F204 A-125/0.5 | 2CSF204101R4950 | | 0.500 | 1 |

RCCBs

F 200 series A  type left neutral



F204 left neutral



F204 left neutral 125 A

F 200 A type with neutral pole on the left

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA). Product helpful where for installation habits, for wiring with bus-bars or cables, for special needs neutral on the left is needed.


Application: residential, commercial, industrial.

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-----------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 820109 | F204 A-25/0.03 | 2CSF204123R1250 | | 0.375 | 1/3 |
| | | 40 | 820208 | F204 A-40/0.03 | 2CSF204123R1400 | | 0.375 | 1/3 |
| | | 63 | 820307 | F204 A-63/0.03 | 2CSF204123R1630 | | 0.375 | 1/3 |
| | | 80 | 918608 | F204 A-80/0.03 | 2CSF204123R1800 | | 0.405 | 1/3 |
| | | 100 | 918707 | F204 A-100/0.03 | 2CSF204123R1900 | | 0.405 | 1/3 |
| | | 125 | 967705 | F204 A-125/0.03 | 2CSF204123R1950 | | 0.500 | 1 |
| | | | | | | | | |
| 100 | 25 | 25 | 820406 | F204 A-25/0.1 | 2CSF204123R2250 | | 0.375 | 1/3 |
| | | 40 | 820505 | F204 A-40/0.1 | 2CSF204123R2400 | | 0.375 | 1/3 |
| | | 63 | 820604 | F204 A-63/0.1 | 2CSF204123R2630 | | 0.375 | 1/3 |
| | | | | | | | | |
| 300 | 25 | 25 | 820703 | F204 A-25/0.3 | 2CSF204123R3250 | | 0.375 | 1/3 |
| | | 40 | 820802 | F204 A-40/0.3 | 2CSF204123R3400 | | 0.375 | 1/3 |
| | | 63 | 820901 | F204 A-63/0.3 | 2CSF204123R3630 | | 0.375 | 1/3 |
| | | 80 | 918806 | F204 A-80/0.3 | 2CSF204123R3800 | | 0.405 | 1/3 |
| | | 100 | 918905 | F204 A-100/0.3 | 2CSF204123R3900 | | 0.405 | 1/3 |
| | | 125 | 967804 | F204 A-125/0.3 | 2CSF204123R3950 | | 0.500 | 1 |
| 500 | 25 | 25 | 821007 | F204 A-25/0.5 | 2CSF204123R4250 | | 0.375 | 1/3 |
| | | 40 | 821106 | F204 A-40/0.5 | 2CSF204123R4400 | | 0.375 | 1/3 |
| | | 63 | 821205 | F204 A-63/0.5 | 2CSF204123R4630 | | 0.375 | 1/3 |

RCCBs

F 200 series A  type, AP-R (high immunity)



F202



F204



F204 125 A

F 200 AP-R, A type

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing the best compromise between safety and continuity in the service thanks to the resistance to unwanted trippings; protection against indirect contacts and additional protection against direct contacts ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

Surge current resistance (wave 8/20)=3000 A

Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 25 | 785101 | F202 A-25/0.03 AP-R | 2CSF202401R1250 | | 0.225 | 1/6 |
| | | 40 | 785200 | F202 A-40/0.03 AP-R | 2CSF202401R1400 | | 0.225 | 1/6 |
| | | 63 | 785309 | F202 A-63/0.03 AP-R | 2CSF202401R1630 | | 0.225 | 1/6 |
| | | 80 | 916406 | F202 A-80/0.03 AP-R | 2CSF202401R1800 | | 0.225 | 1/6 |
| | | 100 | 916505 | F202 A-100/0.03 AP-R | 2CSF202401R1900 | | 0.225 | 1/6 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 785408 | F204 A-25/0.03 AP-R | 2CSF204401R1250 | | 0.375 | 1/3 |
| | | 40 | 785507 | F204 A-40/0.03 AP-R | 2CSF204401R1400 | | 0.375 | 1/3 |
| | | 63 | 785606 | F204 A-63/0.03 AP-R | 2CSF204401R1630 | | 0.375 | 1/3 |
| | | 80 | 919407 | F204 A-80/0.03 AP-R | 2CSF204401R1800 | | 0.405 | 1/3 |
| | | 100 | 919506 | F204 A-100/0.03 AP-R | 2CSF204401R1900 | | 0.405 | 1/3 |
| | | 125 | 967903 | F204 A-125/0.03 AP-R | 2CSF204401R1950 | | 0.500 | 1 |

RCCBs

F 200 series A  type, selective



F202



F204



F204 125 A

F 200 A selective type

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents with an intentional tripping delay, which permits to realize the selectivity with downstream instantaneous devices (for more information about selectivity see the technical guide); protection against indirect contacts.

Application: commercial, industrial.

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

Surge current resistance (wave 8/20)=5000 A

Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 100 | 40 | 822905 | F202 A S-40/0.1 | 2CSF202201R2400 | | 0.225 | 1/6 |
| | | 63 | 823001 | F202 A S-63/0.1 | 2CSF202201R2630 | | 0.225 | 1/6 |
| | | 100 | 916000 | F202 A S-100/0.1 | 2CSF202201R2900 | | 0.225 | 1/6 |
| | 300 | 40 | 784302 | F202 A S-40/0.3 | 2CSF202201R3400 | | 0.225 | 1/6 |
| | | 63 | 784401 | F202 A S-63/0.3 | 2CSF202201R3630 | | 0.225 | 1/6 |
| | | 100 | 916109 | F202 A S-100/0.3 | 2CSF202201R3900 | | 0.225 | 1/6 |
| | 500 | 40 | 784500 | F202 A S-40/0.5 | 2CSF202201R4400 | | 0.225 | 1/6 |
| | | 63 | 784609 | F202 A S-63/0.5 | 2CSF202201R4630 | | 0.225 | 1/6 |
| | | 100 | 916208 | F202 A S-100/0.5 | 2CSF202201R4900 | | 0.225 | 1/6 |
| | 1000 | 40 | 823100 | F202 A S-40/1 | 2CSF202201R5400 | | 0.225 | 1/6 |
| | | 63 | 823209 | F202 A S-63/1 | 2CSF202201R5630 | | 0.225 | 1/6 |
| | | 100 | 916307 | F202 A S-100/1 | 2CSF202201R5900 | | 0.225 | 1/6 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 100 | 40 | 823308 | F204 A S-40/0.1 | 2CSF204201R2400 | | 0.375 | 1/3 |
| | | 63 | 823407 | F204 A S-63/0.1 | 2CSF204201R2630 | | 0.375 | 1/3 |
| | | 100 | 919001 | F204 A S-100/0.1 | 2CSF204201R2900 | | 0.405 | 1/3 |
| | 300 | 40 | 784708 | F204 A S-40/0.3 | 2CSF204201R3400 | | 0.375 | 1/3 |
| | | 63 | 784807 | F204 A S-63/0.3 | 2CSF204201R3630 | | 0.375 | 1/3 |
| | | 100 | 919100 | F204 A S-100/0.3 | 2CSF204201R3900 | | 0.405 | 1/3 |
| | 500 | 125 | 968207 | F204 A S-125/0.3 | 2CSF204201R3950 | | 0.500 | 1 |
| | | 40 | 784906 | F204 A S-40/0.5 | 2CSF204201R4400 | | 0.375 | 1/3 |
| | | 63 | 785002 | F204 A S-63/0.5 | 2CSF204201R4630 | | 0.375 | 1/3 |
| | 1000 | 100 | 919209 | F204 A S-100/0.5 | 2CSF204201R4900 | | 0.405 | 1/3 |
| | | 125 | 968405 | F204 A S-125/0.5 | 2CSF204201R4950 | | 0.500 | 1 |
| | | 40 | 823506 | F204 A S-40/1 | 2CSF204201R5400 | | 0.375 | 1/3 |
| | | 63 | 823605 | F204 A S-63/1 | 2CSF204201R5630 | | 0.375 | 1/3 |
| | | 100 | 919308 | F204 A S-100/1 | 2CSF204201R5900 | | 0.405 | 1/3 |

RCCBs

F 200 110V series A  type



F202 110V



F204 110V

F 200 110V A type

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA). This particular series of devices has the minimum operating voltage of test button of 110V and it is suitable for 230 V applications. This range is UL approved.

Application: residential, commercial, industrial.

Standard: IEC 61008-1; IEC 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 25 | 343332 | F202 A-25/0.03 110V | 2CSF202199R1250 | | 0.225 | 1/6 |
| | | 40 | 343233 | F202 A-40/0.03 110V | 2CSF202199R1400 | | 0.225 | 1/6 |
| | | 63 | 343134 | F202 A-63/0.03 110V | 2CSF202199R1630 | | 0.225 | 1/6 |
| | | 80 | 343035 | F202 A-80/0.03 110V | 2CSF202199R1800 | | 0.225 | 1/6 |
| | | 100 | 342939 | F202 A-100/0.03 110V | 2CSF202199R1100 | | 0.225 | 1/6 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 776734 | F204 A-25/0.03 110V | 2CSF204199R1250 | | 0.375 | 1/3 |
| | | 40 | 342830 | F204 A-40/0.03 110V | 2CSF204199R1400 | | 0.375 | 1/3 |
| | | 63 | 342731 | F204 A-63/0.03 110V | 2CSF204199R1630 | | 0.375 | 1/3 |
| | | 80 | 358435 | F204 A-80/0.03 110V | 2CSF204199R1800 | | 0.405 | 1/3 |
| | | 100 | 079132 | F204 A-100/0.03 110V | 2CSF204199R1100 | | 0.405 | 1/3 |

RCCBs

F 200 series A  type for high frequency and railways applications



F202



F204

F 200 A type for high frequency (400 Hz)

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct (with $I_{\Delta n}=30$ mA) contacts.

Advantages: increasing the frequency generates an increase of the magnetic reluctance of the toroidal transformer of standard RCCB and what follows is the value of the increasing operating residual current at 400 Hz reaching values 3 or more times higher than those of the residual current at 50 Hz. The RCCB F 200 400 Hz guarantees protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA) considering that the operating residual current doesn't increase with the increase of the network frequency.

Application: commercial, industrial.

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 968603 | F204 A-25/0.03 400Hz | 2CSF204197R1250 | | 0.375 | 1/3 |
| | | 40 | 968702 | F204 A-40/0.03 400Hz | 2CSF204197R1400 | | 0.375 | 1/3 |

F200 A type 16 2/3 Hz

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).

The RCCB F200 16 2/3 Hz can work at rated frequency of 16 2/3 Hz which is common in railways applications

Application: railways

Standard: IEC/EN 61008-1; IEC/EN 61008-2-1

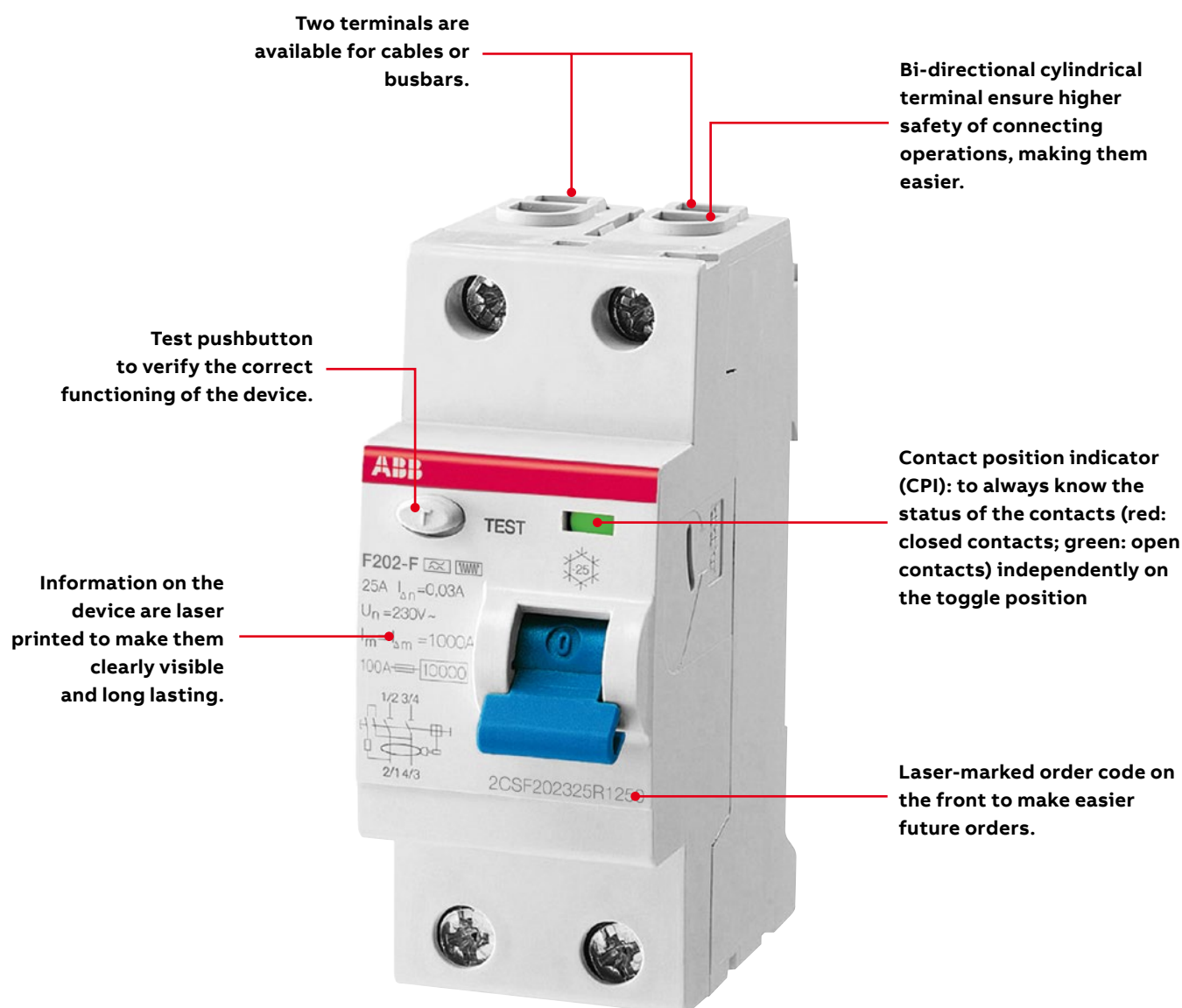
Marking: according to EN 61008-1; EN 61008-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-------------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 63 | 734536 | F202 A-63/0.03 16-2/3Hz | 2CSF202196R1630 | | 0.225 | 1/6 |
| | 300 | 63 | 733638 | F202 A-63/0.3 16-2/3Hz | 2CSF202196R3630 | | 0.225 | 1/6 |
| | 500 | 63 | 734437 | F202 A-63/0.5 16-2/3Hz | 2CSF202196R4630 | | 0.225 | 1/6 |
| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
| | | | | Type code | Order code | | | |
| 4 | 30 | 63 | 733539 | F204 A-63/0.03 16-2/3Hz | 2CSF204196R1630 | | 0.375 | 1/3 |
| | 300 | 63 | 734338 | F204 A-63/0.3 16-2/3Hz | 2CSF204196R3630 | | 0.375 | 1/3 |
| | 500 | 63 | 733430 | F204 A-63/0.5 16-2/3Hz | 2CSF204196R4630 | | 0.375 | 1/3 |

RCCB F 200 type F

The details make the difference

A range designed to ensure efficiency and protection





RCCBs F200 can be used in ambient conditions where the temperature of the surrounding atmosphere has values between -25 °C (snowflake laser printed on the front of the device) and +55 °C.



The availability of two terminals offers different connection solutions thanks to the possibility to connect two independent cables in the same device: the second terminal can be used for an auxiliary circuit or for the supply of devices with small section cables without connecting them together with the main circuit.



High performances:

- rated breaking capacity and rated residual breaking capacity laser printed on the device: $I_m = I_{\Delta m} = 1000 \text{ A}$
- coordination with a 100 A rated current SCPD (short-circuit protective device) = 10 000 A.



The F 202 can be coupled with the autoreclosing unit F2C-ARH in order to ensure continuity of service for the whole installation of your home avoiding lack of supply.

RCBO DS201 type F

The details make the difference

A range designed to ensure efficiency and protection

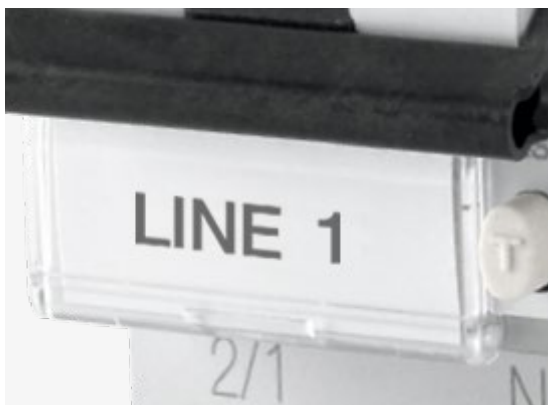




Any earth fault can be immediately identified through the blue indicator, that signals the differential tripping and which cannot be activated in case of manual operation on the toggle. This prevents any misinterpretations of the device and system status.



The terminals available on DS201 make easier the supply operation in parallel with busbars as they are composed by two different seats, a front seat for 25 mm² cables and a back seat for 10 mm² busbars.



Label carrier for clear and reliable identification. With the practical label carrier fitted in the new circuit breakers you can give maximum visibility to the information relating to the protected loads.

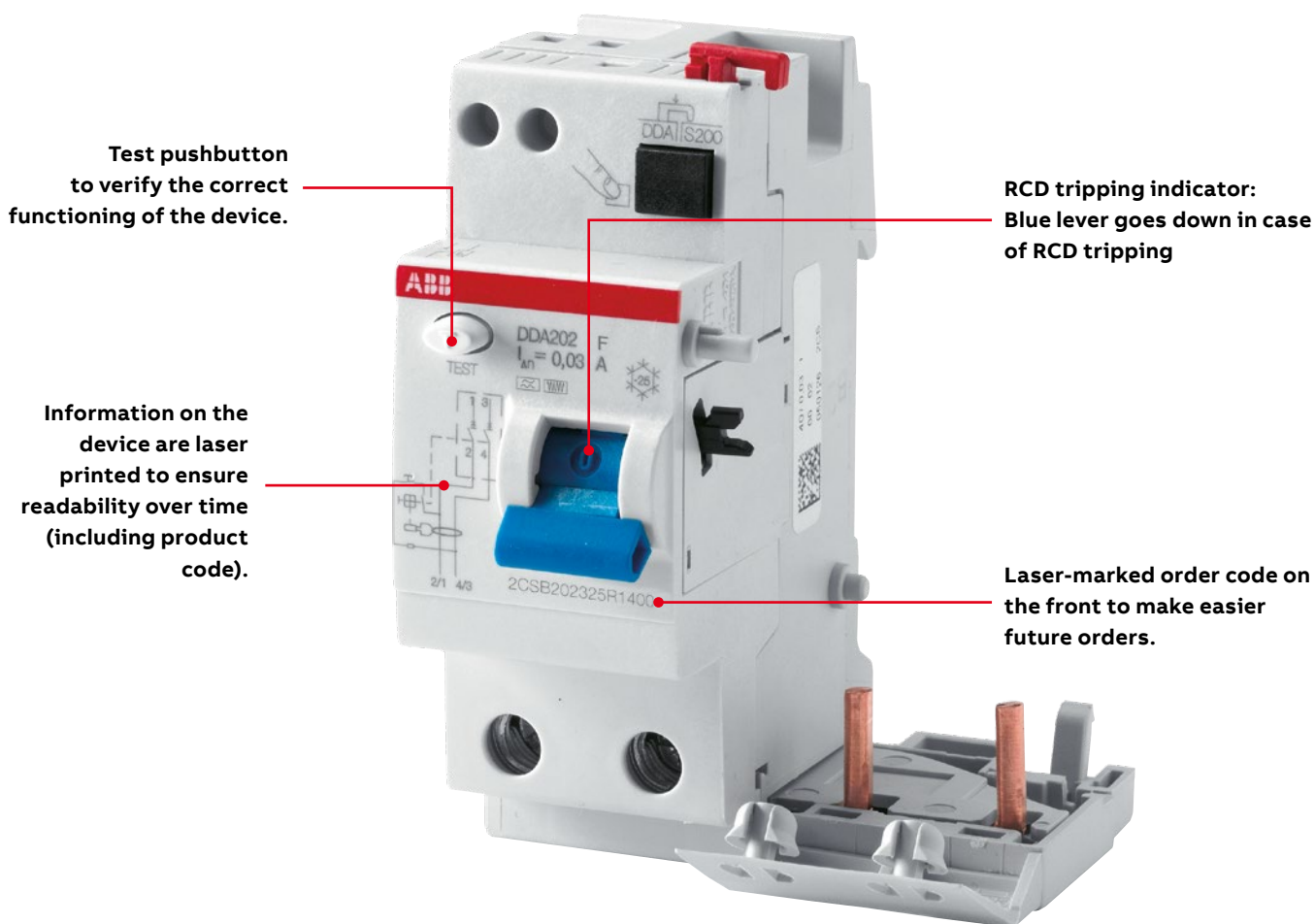


All the devices of the DS201 series have been tested in a wide range of temperatures: from -25 °C (as indicated by the snowflake marked on the front side) up to +55 °C.

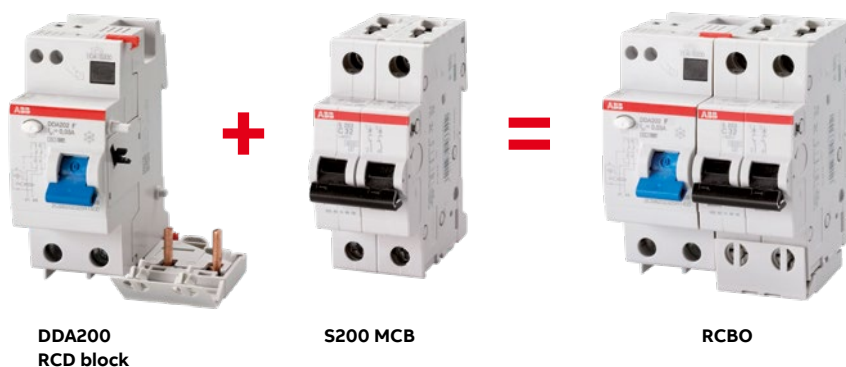
DDA 200 type F

The details make the difference

A range designed to ensure efficiency and protection



DDA200 RCD block mounted with S200 MCB.





Flexibility

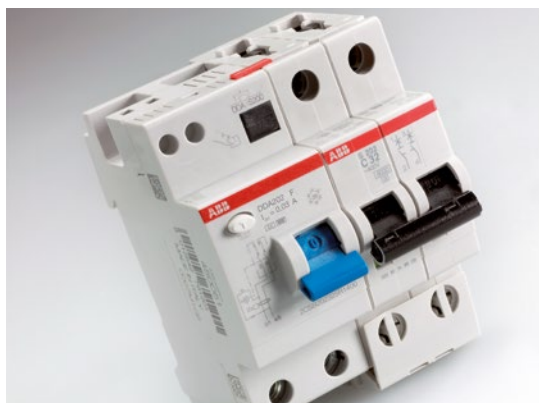
DDA200 is suitable for mounting with S200 extensive range of MCBs, covering applications in 2P up to 63A with breaking capacity up to 25kA.



RCD block DDA200 can be used in ambient conditions where the temperature of the surrounding atmosphere has values between -25 °C (snowflake laser printed on the front of the device) and +55 °C.



Possibility to connect a remote test button for 63A versions.



No misuse

Mistakes in assembling the MCB on the DDA200 are avoided thanks to a mechanical key that avoids mounting an MCB with higher rated current than the RCD block.

RCCBs

F 200 series - F technical features

| | Standards | |
|-------------------------------------|--|---|
| Electrical features | Type | |
| | Number of poles | |
| | Rated current I_n | |
| | Rated sensitivity $I_{\Delta n}$ | |
| | Rated voltage U_e | |
| | Insulation voltage U_i | |
| | Max. / Min. operating voltage of circuit test | |
| | Rated frequency | |
| | Rated breaking capacity acc. to IEC/EN 61009 | ultimate I_{cn} |
| | Rated breaking capacity acc. to IEC/EN 60947-2 1P+N @230 VAC | ultimate I_{cu} |
| | | service I_{cs} |
| | Rated residual breaking capacity $I_{\Delta m}$ | |
| | Rated conditional short-circuit current $I_{nc}=I_{\Delta c}$ | SCPD - fuse gG 100 A |
| | Rated impulse withstand voltage (1.2/50) U_{imp} | |
| | Dielectric test voltage at ind. freq. for 1 min. | |
| | Thermomagnetic release characteristic | B: $3 I_n \leq I_m \leq 5 I_n$ C: $5 I_n \leq I_m \leq 10 I_n$ |
| | Surge current resistance (wave 8/20) | |
| Mechanical features | Toggle | |
| | Flag indicators | contact position indicator (green/red) |
| | | differential trip indicator |
| | Electrical life | |
| | Mechanical life | |
| | Protection degree | housing |
| | | terminal |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | |
| | Reference temperature for setting of thermal element | |
| | Ambient temperature (with daily average $\leq +35^\circ\text{C}$) | |
| | Storage temperature | |
| Installation | Terminal type | |
| | Terminal size top/bottom for cables | |
| | Terminal size top/bottom for busbar | |
| | Tightening torque top/bottom | |
| | Tool | |
| | Mounting | |
| | Connection | |
| | | |
| Dimensions and weight | Dimensions (H x D x W) | |
| | Weight | |
| Combination with auxiliary elements | Combinable with: | |

¹ RCD-blocks DDA 200 with rated current 63 A are provided with two additional terminals for remote tripping.

RCCBs

F 200 series - F technical features

| F200 Type F | DS201 M Type F | DDA200 Type F |
|--|---|--|
| IEC/EN 61008, IEC/EN 62423 2 nd ed | IEC/EN 61009, IEC/EN 62423 2 nd ed | IEC/EN 61009 App.G, IEC/EN 62423 2 nd ed |
| F | | |
| 2P, 4P | 1P+N | 2P |
| 25, 40, 63 A | $6 \leq I_n \leq 40 \text{ A}$ | 40, 63 A ¹ (to mount with MCB with $I_n = 0,5...63\text{A}$) |
| 0.03 A | | |
| 2P: 230 V - 4P: 400 V | 230 V | 230 V |
| 500 V | | |
| 254 V / 170 V | | |
| 50...60 Hz | | |
| - | 10000 A | same as coupled MCB |
| - | 10 kA | same as coupled MCB |
| - | 7.5 kA | same as coupled MCB |
| 1 kA | 6 kA | same as coupled MCB |
| 10kA | - | - |
| 4 kV | | |
| 2.5 kV | | |
| - | ■ | same as coupled MCB |
| - | ■ | same as coupled MCB |
| 3000 A | | |
| blue sealable in ON-OFF position | black sealable in ON-OFF position | blue sealable in ON-OFF position |
| yes | yes | On MCB |
| lever position | yes | Indication with levers position: - Both MCB/RCD block down: RCD tripping - MCB down, RCD block up: MCB tripping |
| 10 000 cycles | | |
| 20 000 cycles | | |
| IP4X | | |
| IP2X | | |
| 28 cycles with 55°C/90-96% and 25°C/95-100% [°C/RH] | | |
| - | 30 °C | - |
| -25...+55 °C | | |
| -40...+70 °C | | |
| failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected) | | Top: failsafe bi-directional cylinder-lift terminal (shock protected) Bottom: failsafe cylinder-lift terminal (shock protected) |
| 25/25 mm ² | | |
| 10/10 mm ² | | 10/- mm ² |
| 2.8 Nm | | |
| N°2 Pozidriv | | |
| on DIN rail EN 60715 (35 mm) by means of fast clip device | | |
| from top and bottom | | |
| 2P: 85 x 69 x 35 mm; 4P: 85 x 69 x 70 mm | 1P+N: 85 x 67 x 35 mm | 2P: 93 x 69 x 69,5 mm |
| 2P: 225 g; 4P: 375 g | 1P+N: 240 g | 2P: 180 g |
| auxiliary contact, signal contact, shunt trip, undervoltage release (see next pages) | | |

RCCBs

F 200 series - F



RCCB F200

| Number of poles | Rated residual current I _{Δn} mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|---|--------------------|--------------------|----------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 2 | 30 | 25 | 992738 | F202 F-25/0.03 | 2CSF202325R1250 | 0.225 | 1/6 | |
| | | 40 | 992837 | F202 F-40/0.03 | 2CSF202325R1400 | 0.225 | 1/6 | |
| | | 63 | 992936 | F202 F-63/0.03 | 2CSF202325R1630 | 0.225 | 1/6 | |
| 4 | 30 | 25 | 993032 | F204 F-25/0.03 | 2CSF204325R1250 | 0.375 | 1/3 | |
| | | 40 | 993131 | F204 F-40/0.03 | 2CSF204325R1400 | 0.375 | 1/3 | |
| | | 63 | 993230 | F204 F-63/0.03 | 2CSF204325R1630 | 0.375 | 1/3 | |



RCBO DS201 - B curve

| Number of poles | Rated residual current I _{Δn} mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|---|--------------------|--------------------|-----------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 1P+N | 30 | 6 | 994138 | DS201 M B6 F30 | 2CSR275540R1065 | 0.240 | 1/5 | |
| | | 10 | 994237 | DS201 M B10 F30 | 2CSR275540R1105 | 0.240 | 1/5 | |
| | | 13 | 994336 | DS201 M B13 F30 | 2CSR275540R1135 | 0.240 | 1/5 | |
| | | 16 | 994435 | DS201 M B16 F30 | 2CSR275540R1165 | 0.240 | 1/5 | |
| | | 20 | 994534 | DS201 M B20 F30 | 2CSR275540R1205 | 0.240 | 1/5 | |
| | | 25 | 994633 | DS201 M B25 F30 | 2CSR275540R1255 | 0.240 | 1/5 | |
| | | 32 | 994732 | DS201 M B32 F30 | 2CSR275540R1325 | 0.240 | 1/5 | |
| | | 40 | 994831 | DS201 M B40 F30 | 2CSR275540R1405 | 0.240 | 1/5 | |



RCBO DS201 - C curve

| Number of poles | Rated residual current I _{Δn} mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|---|--------------------|--------------------|-----------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 1P+N | 30 | 6 | 993339 | DS201 M C6 F30 | 2CSR275540R1064 | 0.240 | 1/5 | |
| | | 10 | 993438 | DS201 M C10 F30 | 2CSR275540R1104 | 0.240 | 1/5 | |
| | | 13 | 993537 | DS201 M C13 F30 | 2CSR275540R1134 | 0.240 | 1/5 | |
| | | 16 | 993636 | DS201 M C16 F30 | 2CSR275540R1164 | 0.240 | 1/5 | |
| | | 20 | 993735 | DS201 M C20 F30 | 2CSR275540R1204 | 0.240 | 1/5 | |
| | | 25 | 993834 | DS201 M C25 F30 | 2CSR275540R1254 | 0.240 | 1/5 | |
| | | 32 | 993933 | DS201 M C32 F30 | 2CSR275540R1324 | 0.240 | 1/5 | |
| | | 40 | 994039 | DS201 M C40 F30 | 2CSR275540R1404 | 0.240 | 1/5 | |



RCD block DDA 200

| Number of poles | Rated residual current I _{Δn} mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|---|--------------------|--------------------|-------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 2 | 30 | 40 | 801221 | DDA 202 F-40/0.03 | 2CSB202325R1400 | 0.180 | 1 | |
| | | 63 | 801122 | DDA 202 F-63/0.03 | 2CSB202325R1630 | 0.180 | 1 | |

RCCBs

F 200 series - F Accessories



Auxiliary contact

| | Bbn 4016779 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|---------------------------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| | EAN | Type code | Order code | kg | kg | pc. |
| Change-over 1CO | 563826 | S2C-H6R | 2CDS200912R0001 | 0.04 | 0.04 | 1 |
| Auxiliary contact 1NO/1NC | 697941 | S2C-H6-11R | 2CDS200946R0001 | 0.04 | 0.04 | 1 |
| Auxiliary contact 2NO | 697958 | S2C-H6-20R | 2CDS200946R0002 | 0.04 | 0.04 | 1 |
| Auxiliary contact 2NC | 697965 | S2C-H6-02R | 2CDS200946R0003 | 0.04 | 0.04 | 1 |



Signal/Auxiliary contact

| | Bbn 4016779 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| | EAN | Type code | Order code | kg | kg | pc. |
| Change-over 1CO | 563819 | S2C-S/H6R | 2CDS200922R0001 | 0.04 | 0.04 | 1 |



Undervoltage releases

| | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-------------------------------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| | EAN | Type code | Order code | kg | kg | pc. |
| Undervoltage release 12 V DC | 839705 | S2C-UA12 DC | 2CSS200911R0001 | 0.09 | 0.09 | 1 |
| Undervoltage release 24 V AC | 839804 | S2C-UA24 AC | 2CSS200911R0002 | 0.09 | 0.09 | 1 |
| Undervoltage release 24 V DC | 896401 | S2C-UA24 DC | 2CSS200911R0007 | 0.09 | 0.09 | 1 |
| Undervoltage release 48 V AC | 839903 | S2C-UA48 AC | 2CSS200911R0003 | 0.09 | 0.09 | 1 |
| Undervoltage release 48 V DC | 896500 | S2C-UA48 DC | 2CSS200911R0008 | 0.09 | 0.09 | 1 |
| Undervoltage release 110 V AC | 840008 | S2C-UA110 AC | 2CSS200911R0004 | 0.09 | 0.09 | 1 |
| Undervoltage release 110 V DC | 896609 | S2C-UA110 DC | 2CSS200911R0009 | 0.09 | 0.09 | 1 |
| Undervoltage release 230 V AC | 840107 | S2C-UA230 AC | 2CSS200911R0005 | 0.09 | 0.09 | 1 |
| Undervoltage release 230 V DC | 896708 | S2C-UA230 DC | 2CSS200911R0010 | 0.09 | 0.09 | 1 |
| Undervoltage release 400 V AC | 840206 | S2C-UA400 AC | 2CSS200911R0006 | 0.09 | 0.09 | 1 |



Overvoltage releases

| | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|---|----------------|---------------|-----------------|------------------|-------------------|--------------|
| | EAN | Type code | Order code | kg | kg | pc. |
| Overvoltage release (max tripping voltage AC: 275V) | 748137 | S2C-OVP1 | 2CSS200910R0005 | 0.1 | 0.1 | 1/5 |
| Overvoltage release (max tripping voltage AC: 290V) | 952039 | S2C-OVP2 | 2CSS200993R0005 | 0.1 | 0.1 | 1/5 |

RCCBs

F 200 series - F Accessories



Auto-reclosing units

| | Bbn 4016779 | Order details | | Price | Weight | Pack |
|--|----------------|---------------|-----------------|---------|---------------|-------------|
| | EAN | Type code | Order code | 1 piece | 1 piece kg | unit pc. |
| Auto-reclosing unit for 2P and 4P F200 RCCBs | 026655 | F2C-ARI | 2CSF200996R0013 | | 0.166 | 1 |
| Home automatic resetting unit (30 mA) | 732433 | F2C-ARH | 2CSF200992R0005 | | 0.200 | 1 |
| Home automatic resetting unit (30 mA) with RCCB autotest | 733232 | F2C-ARH-T | 2CSF200991R0005 | | 0.200 | 1 |



Motor operating devices

| | Bbn 4016779 | Order details | | Price | Weight | Pack |
|---|----------------|---------------|-----------------|---------|---------------|-------------|
| | EAN | Type code | Order code | 1 piece | 1 piece kg | unit pc. |
| Motor operating device for 2P and 4P F200 RCCBs | 026556 | F2C-CM | 2CSF200997R0013 | | 0.166 | 1 |
| Motor operating device for 1P+N DS201 RCBOs | 135951 | DS2C-CM | 2CSR201997R0013 | | 0.166 | 1 |



Shunt trips for RCD Block DDA200 with MCB S200

| | Bbn 4016779 | Order details | | Price | Weight | Pack |
|-------------------------------|----------------|---------------|-----------------|---------|---------------|-------------|
| | EAN | Type code | Order code | 1 piece | 1 piece kg | unit pc. |
| AC/DC 12...60 V | 570992 | S2C-A1 | 2CDS200909R0001 | | 0.15 | 1 |
| AC 110...415 V/ DC110...250 V | 571005 | S2C-A2 | 2CDS200909R0002 | | 0.15 | 1 |

RCCBs

F 200 series - F
Accessories



Shunt trips for RCCB F200 and RCBO DS201

| | Bbn 4016779 | Order details | | Price | Weight | Pack |
|--|----------------|---------------|-----------------|---------|---------|------|
| | EAN | Type code | Order code | 1 piece | 1 piece | unit |
| | | | | kg | kg | pc. |
| Shunt trip 12/60 V AC/DC | 974901 | F2C-A1 | 2CSS200933R0011 | | 0.15 | 1 |
| Shunt trip 110-415 V AC /110-250 V DC | 975007 | F2C-A2 | 2CSS200933R0012 | | 0.15 | 1 |



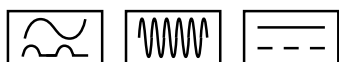
Mechanical tripping device

| | Bbn 4016779 | Order details | | Price | Weight | Pack |
|----------------------------|----------------|---------------|-----------------|---------|---------|------|
| | EAN | Type code | Order code | 1 piece | 1 piece | unit |
| | | | | | kg | pc. |
| Mechanical tripping device | 941309 | S2C-BP | 2CSS200998R0001 | | 0.048 | 1 |

F 200 series - B

Details that make the difference

Type B residual current devices are marked according to EN 62423. The marking reminds the different current types that Type B residual current devices are sensitive to



Easy to connect and compatible with busbars thanks to the System pro M compact clamps

Sole two-pole device in only two modules on the market

VDE approved

Green LED to monitor operation of the residual current circuit breaker

Indication of the position of the contacts



F 200 series - B

Details that make the difference

Cutting-edge features: safety, service continuity, compactness, integration. These are the characteristics of the F200 B RCCBs (residual current circuit breakers), the state-of-the-art technology by ABB which has been providing the best solutions for residential, commercial and industrial installations for over 120 years. The F200 B Type is the ultimate novelty of the System pro M compact offering. The most compact device in the market. Type B RCCBs can be adapted perfectly to all types of installation requirements and application fields. The F200 B Type can be perfectly integrated with all devices produced by ABB in terms of connection, selectivity data and coordination.

Compatible with all System pro M compact accessories of F200 series.

Higher operational continuity thanks to auto-reclosing units and motor operating devices. Operating temperature from -25 to +60 °C with high immunity for extremely harsh weather conditions. F200 B can be installed either in two-phase and three-phase networks.

A lot of space saving thanks to the two poles device in just two modules.

Coordination and back-up with all ABB devices.



RCCBs

F 200 series - B technical features



| | | | | F200 B Type | | F200 B Type high ratings | |
|-------------------------------------|---|--|----------------------|--|---|--|--|
| | | | | F202 B 16-63 A | | F204 B 25-63 A | F204 B 80-125 A |
| Standards | | | | IEC/EN 61008-1 EN 62423 | | | |
| Electrical features | Type (wave form of the earth leakage sensed) | | | B | | | |
| | Poles | | | 2P | | 4P | 4P |
| | Rated current I _n | | A | 16, 25, 40, 63 | | 80, 125 | |
| | Rated sensitivity I _{Δn} | | A | 0,03 - 0,3 | | 0,03 - 0,3 - 0,5 | 0,03 - 0,3 - 0,5 |
| | Rated voltage U _e | | IEC | V AC | 230 | | 230/400 |
| | Insulation voltage U _i | | | V | 500 | | |
| | Operating voltage of circuit test Ut | | IEC | V | 110 - 253 V AC 170 - 253 V AC (30 mA) | 110 - 254 V AC 170 - 254 V AC (30 mA) | 110 - 254 V AC (80A) 170 - 254 V AC (80A, 30mA) 200 - 440 V AC (125A) 250 - 440 V AC (125A, 30mA) |
| | Min. operating voltage for detecting Type A/AC residual currents | | | V AC | 0 | | |
| | Min. operating voltage for detecting Type B residual currents | | | V AC | 50 | 50 | 50 |
| | Rated frequency | | | Hz | 50/60 | | 50 |
| | Frequency range of residual current | | | kHz | B: 2 | | B: 100 |
| | Rated conditional short-circuit current Inc=I _Δ ³ | | SCPD - fuse gG 100 A | kA | 10 (for 125 A fuse is gG 125 A) | | |
| | Rated residual breaking capacity I _{Δm} =Im | | | kA | 1 | | 125 A: 1,25 |
| | Rated impulse withstand voltage (1.2/50) Uimp | | | kV | 4 | | |
| | Dielectric test voltage at ind. freq. for 1 min. | | | kV | 2,5 | | |
| | Overvoltage category | | | | III, disconnecter abilities | | |
| | Surge current resistance (wave 8/20) | | | A | 3.000 | 3.000 - 5.000 (B S) | 3.000 - 5.000 (B S) |
| | Maximum electronic consumption | | | W | 1,2 | 3,5 | 7,2 |
| Mechanical features | Toggle | | | Blue sealable in ON-OFF position | | | |
| | Contact position indicator (CPI) | | | yes | | | |
| | Electrical life | | | 10.000 | | 2.000 | |
| | Mechanical life | | | 20.000 | | 5.000 | |
| | Protection degree | | housing | IP4X | | | |
| | | | terminals | IP2X | | | |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | | °C/RH | 28 cycles with 55°C/90-96% and 25°C/95-100% | | |
| | Ambient temperature (with daily average ≤ +35 °C) | | IEC | °C | -25...+60 | | -25...+40 |
| | Storage temperature | | | °C | 40...+70 | | |
| Installation | Terminal Type | | | Failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected) (cage for In > 63 A) ² | | | |
| | Min/Max Terminal size top/bottom for cable | | IEC | Mm² | 1 - 25 | | |
| | Terminal size top/bottom for busbar | | IEC | Mm² | 10/10 | | |
| | Tightening torque | | IEC | Nm | 2,8 | | 3 |
| | Tool | | | Flat tip PZ2 | | | |
| | Mounting | | | Any position on DIN rail EN 60715 (35 mm) by means of fast clip device | | | |
| | Supply | | | Top/bottom | | | |
| | Withdrawal from busbar | | | It is possible without using any tools only from the bottom | | no | |
| Dimensions and weight | Dimensions (H x D x W) | | 2P | Mm | 85 x 69 x 35 | 85 x 69 x 70 | 85 x 69,5 x 72 |
| | Weight | | 2P | g | 200 | 380 | 460 |
| Combination with auxiliary elements | Combinable with: | | | | | | |
| | auxiliary contact | | | yes | | no | |
| | signal contact/auxiliary switch | | | yes | | | |
| | motor operating device | | | yes | | no | |
| | shunt trip | | | yes | | no | |
| undervoltage release | | | yes | | no | | |

¹ Ground-Fault Sensing and Relaying Equipment" (F200 up to 100 A)

² Prior to connection of aluminium conductors (≥ 4 mm²) ensure that their contact points are cleaned, brushed and coated with grease

³ for S700-E/K 100A, S750-E 63A, S750DR-E/K 63A and other SCPD coordination values are available.

RCCBs

F 200 series - B   type for continuous, selective continuous type fault currents technical features



F202 B



F204 B



F204 B 100, 125 A

F200 B Type from 16 to 63 A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-----------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 16 | 961932 | F202 B-16/0,03 | 2CSF202592R1160 | | 0,220 | 1 |
| | | 25 | 961734 | F202 B-25/0,03 | 2CSF202592R1250 | | 0,220 | 1 |
| | | 40 | 960737 | F202 B-40/0,03 | 2CSF202592R1400 | | 0,220 | 1 |
| | | 63 | 629634 | F202 B-63/0,03 | 2CSF202592R1630 | | 0,220 | 1 |
| | 300 | 16 | 372233 | F202 B-16/0,3 | 2CSF202592R3160 | | 0,220 | 1 |
| | | 25 | 372738 | F202 B-25/0,3 | 2CSF202592R3250 | | 0,220 | 1 |
| | | 40 | 372639 | F202 B-40/0,3 | 2CSF202592R3400 | | 0,220 | 1 |
| | | 63 | 372530 | F202 B-63/0,3 | 2CSF202592R3630 | | 0,220 | 1 |
| 4 | 30 | 25 | 348139 | F204 B-25/0,03 | 2CSF204592R1250 | | 0,380 | 1 |
| | | 40 | 358336 | F204 B-40/0,03 | 2CSF204592R1400 | | 0,380 | 1 |
| | | 63 | 348030 | F204 B-63/0,03 | 2CSF204592R1630 | | 0,380 | 1 |
| | 300 | 25 | 347934 | F204 B-25/0,3 | 2CSF204592R3250 | | 0,380 | 1 |
| | | 40 | 358138 | F204 B-40/0,3 | 2CSF204592R3400 | | 0,380 | 1 |
| | | 63 | 347835 | F204 B-63/0,3 | 2CSF204592R3630 | | 0,380 | 1 |
| | 300 S | 40 | 347736 | F204 B S-40/0,3 | 2CSF204892R3400 | | 0,380 | 1 |
| | | 63 | 357933 | F204 B S-63/0,3 | 2CSF204892R3630 | | 0,380 | 1 |
| | 500 | 40 | 776932 | F204 B-40/0,5 | 2CSF204592R4400 | | 0,380 | 1 |
| | | 63 | 347637 | F204 B-63/0,5 | 2CSF204592R4630 | | 0,380 | 1 |
| | 500 S | 40 | 357834 | F204 B S-40/0,5 | 2CSF204892R4400 | | 0,380 | 1 |
| | | 63 | 347538 | F204 B S-63/0,5 | 2CSF204892R4630 | | 0,380 | 1 |

F200 B Type high ratings

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 80 | 988601 | F204B-80/0,03 | 2CSF204501R1800 | | 0,500 | 1 |
| | | 125 | 988700 | F204B-125/0,03L ¹ | 2CSF204523R1950 | | 0,500 | 1 |
| | 300 | 80 | 989103 | F204B-80/0,3 | 2CSF204501R3800 | | 0,500 | 1 |
| | | 125 | 989202 | F204B-125/0,3L ¹ | 2CSF204523R3950 | | 0,500 | 1 |
| | 300 S | 125 | 989509 | F204BS-125/0,3L ¹ | 2CSF204823R3950 | | 0,500 | 1 |
| | 500 | 125 | 730439 | F204B-125/0,5L ¹ | 2CSF204523R4950 | | 0,500 | 1 |
| | 500 S | 125 | 731238 | F204BS-125/0,5L ¹ | 2CSF204823R4950 | | 0,500 | 1 |

¹ Left-sided neutral pole

RCCBs

F-ATI and F-ARI



F-ATI and F-ARI Test are RCCBs equipped with automatic test features. RCCBs are supposed to be checked every six months in order to make sure that the contacts are working properly and the device is able to trip in case of a leakage to earth. This swift operation affects the operational continuity of the circuits downstream and required a lot of man power. F-ATI and F-ARI test ranges push the periodic test to another level as this is run automatically and with no interruption at all of the service. Therefore, also the operations carried out by maintenance personnel are reduced to the very minimum.

In addition to the automatic test, F-ARI Range features a reclosing unit that tries to reclose the RCCB as it trips. The reclosing operations are based on an insulation check to make sure that no permanent fault is present. The insulation check is done with a very low current with no danger for human at any time. Once the insulation check is positive the reclosing unit recloses the RCCB again. Moreover, the results coming from each and every circuit are collected at once thanks to ARBus interface.

- Saving: maintenance costs are cut down as the device runs automatically the test monthly in accordance with EN 61008 provisions.
- Uptime: while running the test, no disconnection of the supply occurs like in the traditional RCCB units.
- Time saving: a full array of maximum 99 devices can be commanded and read by remote by the means of the ARBus interface.
- Easy installation: the unit is factory fitted and it needs no coupling
- Quality: F-ATI Test range is approved by VDE while F-ARI Test is approved by IMQ CSV.
- Smart: complete monitoring over the application thanks to a fault check system and a programmable aux contact
- Reliability: Suitable for demanding environments up to 60 °C
- High immunity: RCCBs Type A APR offer the adequate solution according to the type of loads to be protected , the level of safety and the continuity of service. (inserire forme d'onda ammesse per APR)

RCCBs

F-ATI and F-ARI technical features

| | | F-ATI Test | F-ARI Test |
|-----------------------|---|---|------------|
| Reference Standards | EN61008-1, VDE V 0664-120 (annex M) | EN61008-1, CPT054, EN50557 | |
| Electrical features | Distribution system | TN, TT, IT | TN, TT |
| | Rated voltage Ue | 230-400 V a.c. -15% ÷ 10% | |
| | Rated frequency | 50 Hz | |
| | Rated current In | 25, 40, 63 A | |
| | Rated sensitivity IΔn | 30, 300 mA | |
| | Type | A AP-R | |
| | Poles | 2P, 4P | |
| | Insulation voltage Ui | 500 V d.c. | |
| | Minimum test voltage Utmin | 195 V a.c. | |
| | Rated non-operating resistance between live parts and earth Rdo | 8 kΩ (30 mA), 2,5 kΩ(300 mA) | |
| | Rated operating resistance between live parts and earth Rd | 16 kΩ (30 mA), 5 kΩ (300 mA) | |
| | Rated conditional short-circuit Inc | 10 kA (SCPD – gL fuse 63 A for In 25, 40 A; gL fuse 80 A for In 63 A) | |
| | Dielectric test voltage at ind. freq. for 1 min | 2,5 kV | |
| | Rated impulse withstand voltage (1,2/50) Uimp | 4 kV | |
| | Power loss | 2P: 2.2 W (25 A); 5.4 W (40 A); 6.2 W (63 A) 4P: 3.5 W (25 A); 6 W (40 A); 12 W (63 A) | |
| | Power consumption during operation | 41 VA | |
| Other features | Test cycle time | < 7 s | |
| | Reclosing time | < 10 s (6 s check, 3 s reclosing) | |
| Mechanical features | Protection degree | IP20 (terminals), IP40 (housing) | |
| | Contact position indicator CPI | yes | |
| | Mechanical life | 4000 | |
| Installation | Tightening torque | 2 Nm | |
| | Ambient temperature with daily average ≤ 35 °C | -25...+60 °C | |
| | Storage temperature | -40...+70 °C | |
| Auxiliary contact | Type | NO-NC-NO+pulse (100 ms) | |
| | Operating features | 5 ÷ 230 V a.c./d.c. I _{max} 100 mA | |
| | Terminals cross section | 2,5 mm ² | |
| | Tightening torque | 0,4 Nm | |
| Dimensions | DIN modules | 5, 7 | |
| | Weight | 550, 900g | |
| | | ARBus | |
| Electrical features | Rated voltage Ue | 230 V a.c. -15% ÷ 10% | |
| | Rated frequency | 50 Hz | |
| | Insulation voltage Ui | 500 V d.c. | |
| | Rated conditional short-circuit Inc | 10 kA (SCPD – gL fuse 63 A for In 25, 40 A; gL fuse 80 A for In 63 A) | |
| | Rated impulse withstand voltage (1,2/50) Uimp | 4 kV | |
| | Power consumption | 1 W | |
| Installation | Terminals | 2,5 mm ² | |
| | Tightening torque | 0,4 Nm | |
| | Ambient temperature with daily average ≤ 35°C | -25...+60 °C | |
| | Storage temperature | -40...+70 °C | |
| Communication | Protocol | Modbus RS485 | |
| | Baud rate | 38400 | |
| | Addresses | 1...99 | |
| Dimensions and weight | DIN modules | 1 | |
| | Weight | 180 gr | |

RCCBs

F-ATI and F-ARI



F-ATI 2 Test



F-ARI 4 Test

F-ATI

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 1P+N | 30 | 25 | 288855 | F-ATI2Test A-25/0.03 | 2CSF302130R1250 | 0.550 | 5 | |
| | | 40 | 288954 | F-ATI2Test A-40/0.03 | 2CSF302130R1400 | 0.550 | 5 | |
| | | 63 | 289050 | F-ATI2Test A-63/0.03 | 2CSF302130R1630 | 0.550 | 5 | |
| 3P+N | 30 | 25 | 289159 | F-ATI4Test A-25/0.03 | 2CSF304130R1250 | 0.900 | 7 | |
| | | 40 | 289258 | F-ATI4Test A-40/0.03 | 2CSF304130R1400 | 0.900 | 7 | |
| | | 63 | 289357 | F-ATI4Test A-63/0.03 | 2CSF304130R1630 | 0.900 | 7 | |
| | 300 | 25 | 289456 | F-ATI4Test A-25/0.3 | 2CSF304130R3250 | 0.900 | 7 | |
| | | 40 | 289555 | F-ATI4Test A-40/0.3 | 2CSF304130R3400 | 0.900 | 7 | |
| | | 63 | 289654 | F-ATI4Test A-63/0.3 | 2CSF304130R3630 | 0.900 | 7 | |

F-ARI Test

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 1P+N | 30 | 25 | 289753 | F-ARI2Test A-25/0.03 | 2CSF302131R1250 | 0.550 | 5 | |
| | | 40 | 289852 | F-ARI2Test A-40/0.03 | 2CSF302131R1400 | 0.550 | 5 | |
| | | 63 | 293453 | F-ARI2Test A-63/0.03 | 2CSF302131R1630 | 0.550 | 5 | |
| 3P+N | 30 | 25 | 289951 | F-ARI4Test A-25/0.03 | 2CSF304131R1250 | 0.900 | 7 | |
| | | 40 | 290056 | F-ARI4Test A-40/0.03 | 2CSF304131R1400 | 0.900 | 7 | |
| | | 63 | 290155 | F-ARI4Test A-63/0.03 | 2CSF304131R1630 | 0.900 | 7 | |
| | 300 | 25 | 290254 | F-ARI4Test A-25/0.3 | 2CSF304131R3250 | 0.900 | 7 | |
| | | 40 | 290353 | F-ARI4Test A-40/0.3 | 2CSF304131R3400 | 0.900 | 7 | |
| | | 63 | 290452 | F-ARI4Test A-63/0.3 | 2CSF304131R3630 | 0.900 | 7 | |



RCCBs
F-ATI and F-ARI



ARBus

Gamma ARBus

| | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| | EAN | Type code | Order code | | kg | pc. |
| ARBus | 293354 | | 2CSF300130R1989 | | 0.180 | 1 |

RCD-blocks

DDA 200 technical features



DDA 200

Standards

Operating characteristic: type

Rated current I_n [A]

Poles

Rated voltage U_e 2P [V]

3P

4P

Insulation voltage U_i [V]

Operating voltage of circuit test U_t 2P [V]

3P

4P

Rated frequency Hz

Rated breaking capacity according to IEC EN 61009 [A]

Rated breaking capacity according to IEC EN 60947-2 [A]

Rated residual breaking capacity $I_{\Delta n}$ [kA]

Rated impulse withstand capacity (1,2/50) U_{imp} [kV]

Dielectric test voltage at ind. freq. for 1 min. [kV]

Surge current resistance (wave 8/20) [A]

Rated sensitivity $I_{\Delta n}$ [A]

Toggle

Electrical life

Mechanical life

Protection degree housing terminals

Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 [°C/RH]

Ambient temperature (with daily average $\leq +35^\circ\text{C}$) [°C]

Storage temperature [°C]

Terminal type 2P
3P/4P $I_n=25$ and 40 A
3P/4P $I_n=63$ A

Terminal size 2P [mm²]
3P/4P $I_n=25$ and 40 A [mm²]
3P/4P $I_n=63$ A [mm²]

Tightening torque 2P [Nm]
3P/4P $I_n=25$ and 40 A [Nm]
3P/4P $I_n=63$ A [Nm]

Mounting

Mounting position

Dimensions 2P [mm]
H x P x L 3P/4P $I_n=25$ and 40 A [mm]
3P/4P $I_n=63$ A [mm]

Weight 2P [g]
3P/4P $I_n=25$ and 40 A [g]
3P/4P $I_n=63$ A [g]

Combinable with S 200L
S 200
S 200M
S 200 P

① All RCD-blocks DDA 200 with rated current 63 A are provided with two additional terminals for remote tripping.

② DDA200 A AE is provided with two additional terminals for remote release in positive safety. A remote control circuit should be connected to those terminals where circuit breakers or push buttons with normally closed contacts should be inserted.

RCD-blocks

DDA 200 technical features

| DDA 200 AC | DDA 200 A | DDA 200 A AP-R | DDA 200 A AE | DDA 200 A S | DDA 200 B |
|---|-----------|----------------|----------------|-----------------------------|---|
| IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1 | | | | | IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1, IEC EN 62423 |
| AC | A | A | A | A | B |
| 25, 40, 63 ① | | 25, 40, 63 ① | 63 ② | 63 ① | 25-40-63 |
| 2P, 3P, 4P | | | | | 2P, 3P, 4P |
| 230 (400 for special execution @400 V) | | | 230 | 230 | 230 |
| 230/400 | | | 400 | 400 | 400 |
| 230/400 | | | 230/400 | 230/400 | 230/400 |
| 500 | | | | | |
| 110-254 for special execution @110V; 195-254 (170-254 for 30 mA; 400 for special execution @400 V) | | | 184-264 | 195-254 (170-254 for 30 mA) | 195-254 (170-254 for 30 mA) |
| 195-440 (300-440 for 30 mA; 110-254 for special execution @110 V) | | | 310-440 | 195-440 (300-440 for 30 mA) | 310-440 (300-440 for 30 mA) |
| 195-440 (300-440 for 30 mA; 110-254 for special execution @110 V) | | | 184-264 | 195-440 (300-440 for 30 mA) | 195-254 (300-440 for 30 mA) |
| 50...60 | | | | | |
| same of the coupled MCB | | | | | |
| same of the coupled MCB | | | | | |
| same of the coupled MCB | | | | | |
| 4 | | | | | |
| 2,5 | | | | | |
| NA | | 3000 | NA | 5000 | 3000 (5000 for selective types) |
| 0.01-0.03-0.1-0.3-0.5-1 | | 0.03 | 0.03-0.3-0.5-1 | 0.1-0.3-0.5-1 | 0.03 - 0.3 - 0.5 |
| blue | | | | | |
| 10000 | | | | | |
| 20000 | | | | | |
| IP4X | | | | | |
| IP2X | | | | | |
| 28 cycles with 55°C/90-96% and 25°C/95-100% | | | | | |
| -25...+55 | | | | | |
| -40...+70 | | | | | |
| bi-directional cylinder-lift | | | | | |
| cage type | | | | | - |
| bi-directional cylinder-lift | | | | | |
| (rigid or flexible) up to 25 | | | | | |
| (rigid or flexible) up to 16 | | | | | - |
| (rigid or flexible) up to 25 | | | | | |
| 2.8 | | | | | |
| 1.2 | | | | | - |
| 2.8 | | | | | |
| on DIN rail EN 60715 (35 mm) by means of fast clip device | | | | | |
| Any | | | | | |
| 85 x 69 x 35 | | | | | 85 x 69 x 70 |
| 85 x 69 x 35 | | | | | 85 x 69 x 70 |
| 85 x 69 x 70 | | | | | 85 x 69 x 70 |
| 175 | | | | | 350 |
| 175 | | | | | 375 |
| 325 | | | | | 395 |
| yes | | | | | |
| yes | | | | | |
| yes | | | | | |
| yes | | | | | |

RCD-blocks

DDA 200 series AC  type



DDA 202



DDA 203

DDA 200 AC type

Function: RCD-block for assembly on site with MCBs S 200 series. Protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 2 | 10 | 25 | 791003 | DDA202 AC-25/0.01 | 2CSB202001R0250 | | 0.180 | 1 |
| | | 30 | 791102 | DDA202 AC-25/0.03 | 2CSB202001R1250 | | 0.180 | 1 |
| | | 40 | 791201 | DDA202 AC-40/0.03 | 2CSB202001R1400 | | 0.180 | 1 |
| | | 63 ② | 791300 | DDA202 AC-63/0.03 | 2CSB202001R1630 | | 0.180 | 1 |
| | 100 | 25 | 791409 | DDA202 AC-25/0.1 | 2CSB202001R2250 | | 0.180 | 1 |
| | | 40 | 791508 | DDA202 AC-40/0.1 | 2CSB202001R2400 | | 0.180 | 1 |
| | | 63 ② | 791607 | DDA202 AC-63/0.1 | 2CSB202001R2630 | | 0.180 | 1 |
| | 300 | 25 | 791706 | DDA202 AC-25/0.3 | 2CSB202001R3250 | | 0.180 | 1 |
| | | 40 | 791805 | DDA202 AC-40/0.3 | 2CSB202001R3400 | | 0.180 | 1 |
| | | 63 ② | 791904 | DDA202 AC-63/0.3 | 2CSB202001R3630 | | 0.180 | 1 |
| | 500 | 25 | 792000 | DDA202 AC-25/0.5 | 2CSB202001R4250 | | 0.180 | 1 |
| | | 40 | 792109 | DDA202 AC-40/0.5 | 2CSB202001R4400 | | 0.180 | 1 |
| | | 63 ② | 792208 | DDA202 AC-63/0.5 | 2CSB202001R4630 | | 0.180 | 1 |
| | 1000 | 25 | 808305 | DDA202 AC-25/1 | 2CSB202001R5250 | | 0.180 | 1 |
| | | 40 | 808404 | DDA202 AC-40/1 | 2CSB202001R5400 | | 0.180 | 1 |
| | | 63 ② | 792307 | DDA202 AC-63/1 | 2CSB202001R5630 | | 0.180 | 1 |
| | 2000 | 63 | 792406 | DDA202 AC-63/2 | 2CSB202001R6630 | | 0.180 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 25 | 792505 | DDA203 AC-25/0.03 | 2CSB203001R1250 | | 0.220 | 1 |
| | | 40 | 792604 | DDA203 AC-40/0.03 | 2CSB203001R1400 | | 0.220 | 1 |
| | | 63 ② | 792703 | DDA203 AC-63/0.03 | 2CSB203001R1630 | | 0.260 | 1 |
| | 100 | 25 | 792802 | DDA203 AC-25/0.1 | 2CSB203001R2250 | | 0.220 | 1 |
| | | 40 | 792901 | DDA203 AC-40/0.1 | 2CSB203001R2400 | | 0.220 | 1 |
| | | 63 ② | 793007 | DDA203 AC-63/0.1 | 2CSB203001R2630 | | 0.260 | 1 |
| | 300 | 25 | 793106 | DDA203 AC-25/0.3 | 2CSB203001R3250 | | 0.220 | 1 |
| | | 40 | 793205 | DDA203 AC-40/0.3 | 2CSB203001R3400 | | 0.220 | 1 |
| | | 63 ② | 793304 | DDA203 AC-63/0.3 | 2CSB203001R3630 | | 0.260 | 1 |
| | 500 | 25 | 793403 | DDA203 AC-25/0.5 | 2CSB203001R4250 | | 0.220 | 1 |
| | | 40 | 793502 | DDA203 AC-40/0.5 | 2CSB203001R4400 | | 0.220 | 1 |
| | | 63 ② | 793601 | DDA203 AC-63/0.5 | 2CSB203001R4630 | | 0.260 | 1 |
| | 1000 | 25 | 808503 | DDA203 AC-25/1 | 2CSB203001R5250 | | 0.220 | 1 |
| | | 40 | 808602 | DDA203 AC-40/1 | 2CSB203001R5400 | | 0.220 | 1 |
| | | 63 ①② | 793700 | DDA203 AC-63/1 | 2CSB203001R5630 | | 0.260 | 1 |
| | 2000 | 63 | 793809 | DDA203 AC-63/2 | 2CSB203001R6630 | | 0.260 | 1 |

① version with test button working at 110VAC - 254VAC is available. For selection tables refer to special version paragraph.

② provided with additional terminals for remote tripping

RCD-blocks

DDA 200 series AC  type



DDA 204

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 793908 | DDA204 AC-25/0.03 | 2CSB204001R1250 | | 0.260 | 1 |
| | | 40 | 794004 | DDA204 AC-40/0.03 | 2CSB204001R1400 | | 0.260 | 1 |
| | | 63 ①② | 794103 | DDA204 AC-63/0.03 | 2CSB204001R1630 | | 0.305 | 1 |
| | 100 | 25 | 794202 | DDA204 AC-25/0.1 | 2CSB204001R2250 | | 0.260 | 1 |
| | | 40 | 794301 | DDA204 AC-40/0.1 | 2CSB204001R2400 | | 0.260 | 1 |
| | | 63 ② | 794400 | DDA204 AC-63/0.1 | 2CSB204001R2630 | | 0.305 | 1 |
| | 300 | 25 | 794509 | DDA204 AC-25/0.3 | 2CSB204001R3250 | | 0.260 | 1 |
| | | 40 | 794608 | DDA204 AC-40/0.3 | 2CSB204001R3400 | | 0.260 | 1 |
| | | 63 ② | 794707 | DDA204 AC-63/0.3 | 2CSB204001R3630 | | 0.305 | 1 |
| | 500 | 25 | 794806 | DDA204 AC-25/0.5 | 2CSB204001R4250 | | 0.260 | 1 |
| | | 40 | 794905 | DDA204 AC-40/0.5 | 2CSB204001R4400 | | 0.260 | 1 |
| | | 63 ② | 795001 | DDA204 AC-63/0.5 | 2CSB204001R4630 | | 0.305 | 1 |
| | 1000 | 25 | 808701 | DDA204 AC-25/1 | 2CSB204001R5250 | | 0.260 | 1 |
| | | 40 | 808800 | DDA204 AC-40/1 | 2CSB204001R5400 | | 0.260 | 1 |
| | | 63 ② | 795100 | DDA204 AC-63/1 | 2CSB204001R5630 | | 0.305 | 1 |
| | 2000 | 63 | 795209 | DDA204 AC-63/2 | 2CSB204001R6630 | | 0.305 | 1 |

① version with test button working at 110VAC - 254VAC is available. For selection tables refer to special version paragraph.

② provided with additional terminals for remote tripping

RCD-blocks

DDA 200 series A  type



DDA 202



DDA 203

DDA 200 A type

Function: RCD-block for assembly on site with MCBs S 200 series. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 10 | 25 | 795308 | DDA202 A-25/0.01 | 2CSB202101R0250 | | 0.180 | 1 |
| | | 30 | 795407 | DDA202 A-25/0.03 | 2CSB202101R1250 | | 0.180 | 1 |
| | 40 | 25 | 795506 | DDA202 A-40/0.03 | 2CSB202101R1400 | | 0.180 | 1 |
| | | 63 ② | 795605 | DDA202 A-63/0.03 | 2CSB202101R1630 | | 0.180 | 1 |
| | 100 | 25 | 795704 | DDA202 A-25/0.1 | 2CSB202101R2250 | | 0.180 | 1 |
| | | 40 | 795803 | DDA202 A-40/0.1 | 2CSB202101R2400 | | 0.180 | 1 |
| | | 63 ② | 795902 | DDA202 A-63/0.1 | 2CSB202101R2630 | | 0.180 | 1 |
| | 300 | 25 | 796008 | DDA202 A-25/0.3 | 2CSB202101R3250 | | 0.180 | 1 |
| | | 40 | 796107 | DDA202 A-40/0.3 | 2CSB202101R3400 | | 0.180 | 1 |
| | | 63 ② | 796206 | DDA202 A-63/0.3 | 2CSB202101R3630 | | 0.180 | 1 |
| | 500 | 25 | 796305 | DDA202 A-25/0.5 | 2CSB202101R4250 | | 0.180 | 1 |
| | | 40 | 796404 | DDA202 A-40/0.5 | 2CSB202101R4400 | | 0.180 | 1 |
| | | 63 ② | 796503 | DDA202 A-63/0.5 | 2CSB202101R4630 | | 0.180 | 1 |
| 1000 | 25 | 25 | 808909 | DDA202 A-25/1 | 2CSB202101R5250 | | 0.180 | 1 |
| | | 40 | 809005 | DDA202 A-40/1 | 2CSB202101R5400 | | 0.180 | 1 |
| | | 63 ② | 796602 | DDA202 A-63/1 | 2CSB202101R5630 | | 0.180 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 25 | 796701 | DDA203 A-25/0.03 | 2CSB203101R1250 | | 0.220 | 1 |
| | | 40 ① | 796800 | DDA203 A-40/0.03 | 2CSB203101R1400 | | 0.220 | 1 |
| | | 63 ①② | 796909 | DDA203 A-63/0.03 | 2CSB203101R1630 | | 0.260 | 1 |
| | 100 | 25 | 797005 | DDA203 A-25/0.1 | 2CSB203101R2250 | | 0.220 | 1 |
| | | 40 | 797104 | DDA203 A-40/0.1 | 2CSB203101R2400 | | 0.220 | 1 |
| | | 63 ② | 797203 | DDA203 A-63/0.1 | 2CSB203101R2630 | | 0.260 | 1 |
| | 300 | 25 | 797302 | DDA203 A-25/0.3 | 2CSB203101R3250 | | 0.220 | 1 |
| | | 40 | 797401 | DDA203 A-40/0.3 | 2CSB203101R3400 | | 0.220 | 1 |
| | | 63 ② | 797500 | DDA203 A-63/0.3 | 2CSB203101R3630 | | 0.260 | 1 |
| | 500 | 25 | 797609 | DDA203 A-25/0.5 | 2CSB203101R4250 | | 0.220 | 1 |
| | | 40 | 797708 | DDA203 A-40/0.5 | 2CSB203101R4400 | | 0.220 | 1 |
| | | 63 ② | 797807 | DDA203 A-63/0.5 | 2CSB203101R4630 | | 0.260 | 1 |
| | 1000 | 25 | 809104 | DDA203 A-25/1 | 2CSB203101R5250 | | 0.220 | 1 |
| | | 40 | 809203 | DDA203 A-40/1 | 2CSB203101R5400 | | 0.220 | 1 |
| | | 63 ② | 797906 | DDA203 A-63/1 | 2CSB203101R5630 | | 0.260 | 1 |

① version with test button working at 110VAC - 254VAC is available. For selection tables refer to special version paragraph.

② provided with additional terminals for remote tripping

RCD-blocks

DDA 200 series A  type



DDA 204

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 25 | 798002 | DDA204 A-25/0.03 | 2CSB204101R1250 | | 0.260 | 1 |
| | | 40 | 798101 | DDA204 A-40/0.03 | 2CSB204101R1400 | | 0.260 | 1 |
| | | 63 ①② | 798200 | DDA204 A-63/0.03 | 2CSB204101R1630 | | 0.305 | 1 |
| | 100 | 25 | 798309 | DDA204 A-25/0.1 | 2CSB204101R2250 | | 0.260 | 1 |
| | | 40 | 798408 | DDA204 A-40/0.1 | 2CSB204101R2400 | | 0.260 | 1 |
| | | 63 ② | 798507 | DDA204 A-63/0.1 | 2CSB204101R2630 | | 0.305 | 1 |
| | 300 | 25 | 798606 | DDA204 A-25/0.3 | 2CSB204101R3250 | | 0.260 | 1 |
| | | 40 | 798705 | DDA204 A-40/0.3 | 2CSB204101R3400 | | 0.260 | 1 |
| | | 63 ② | 798804 | DDA204 A-63/0.3 | 2CSB204101R3630 | | 0.305 | 1 |
| | 500 | 25 | 798903 | DDA204 A-25/0.5 | 2CSB204101R4250 | | 0.260 | 1 |
| | | 40 | 799009 | DDA204 A-40/0.5 | 2CSB204101R4400 | | 0.260 | 1 |
| | | 63 ② | 799108 | DDA204 A-63/0.5 | 2CSB204101R4630 | | 0.305 | 1 |
| | 1000 | 25 | 809302 | DDA204 A-25/1 | 2CSB204101R5250 | | 0.260 | 1 |
| | | 40 | 809401 | DDA204 A-40/1 | 2CSB204101R5400 | | 0.260 | 1 |
| | | 63 ② | 799207 | DDA204 A-63/1 | 2CSB204101R5630 | | 0.305 | 1 |

① version with test button working at 110VAC - 254VAC is available. For selection tables refer to special version paragraph.
② provided with additional terminals for remote tripping

RCD-blocks

DDA 200 special version 110 V and 400 V



DDA 202



DDA 203



DDA 204

DDA 200 special version 110 V and 400 V

Function: special version of RCD-blocks to assembly on site with MCBs S 200 series. Special version are available with protection against the effects of sinusoidal alternating and/or direct pulsating earth fault currents, protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).

DDA200 110 V is a particular RCD-block with voltage range for test button $U_t = 110-254$ V.

RCD-blocks work for naval applications where the IT system is typically used and the voltage between the phase and the neutral conductor is 115 - 125 V. DDA200 110 V ($U_t = 110-254$ V) are suitable for naval applications.

Special version is also available for 400 V in the two poles version working in two-phase industrial systems where voltage between phases is 400 V.

Applications: naval, industrial.

Standards: IEC 61009-1 Ann. G; IEC 61009-2-1

110 V version

AC type

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details Type code | Order code | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|----------------------------|-----------------|---------------|----------------------|------------------|
| 4 | 30 | 63 ① | 929901 | DDA 204 AC-63/0.03 110V | 2CSB204099R1630 | | 0.350 | 1 |

A type

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details Type code | Order code | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|----------------------------|-----------------|---------------|----------------------|------------------|
| 2 | 30 | 25 | 079033 | DDA202 A-25/0.03 110V | 2CSB202199R1250 | | 0.180 | 1 |
| | | 40 | 078937 | DDA202 A-40/0.03 110V | 2CSB202199R1400 | | 0.180 | 1 |
| | | 63 ① | 078838 | DDA202 A-63/0.03 110V | 2CSB202199R1630 | | 0.180 | 1 |
| 3 | 30 | 40 | 811701 | DDA 203 A-40/0.03 110V | 2CSB203199R1400 | | 0.350 | 1 |
| | | 63 ① | 811800 | DDA 203 A-63/0.03 110V | 2CSB203199R1630 | | 0.350 | 1 |
| 4 | 30 | 63 ① | 812104 | DDA 204 A-63/0.03 110V | 2CSB204199R1630 | | 0.350 | 1 |

400 V version

A type

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details Type code | Order code | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|----------------------------|-----------------|---------------|----------------------|------------------|
| 2 | 30 | 63 ① | 954934 | DDA 202 A-63/0.03 400V | 2CSB202192R1630 | | 0.200 | 1 |

① provided with additional terminals for remote tripping

RCD-blocks

DDA 200 series A  type, AP-R (high immunity)



DDA 202



DDA 203



DDA 204

DDA 200 AP-R, A type

Function: RCD-block for assembly on site with MCBs S 200 series. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing the best compromise between safety and continuity in the service thanks to the resistance to unwanted trippings; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1

Surge current resistance (wave 8/20)=3000 A


| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|-----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 2 | 30 | 25 | 801108 | DDA202 A-25/0.03 AP-R | 2CSB202401R1250 | | 0.180 | 1 |
| | | 40 | 801207 | DDA202 A-40/0.03 AP-R | 2CSB202401R1400 | | 0.180 | 1 |
| | | 63 ① | 801306 | DDA202 A-63/0.03 AP-R | 2CSB202401R1630 | | 0.180 | 1 |
| | 300 | 63 | 961932 | DDA202 A-63/0,3 AP-R | 2CSB202401R3630 | | 0,260 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|-----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3 | 30 | 25 | 811008 | DDA203 A-25/0.03 AP-R | 2CSB203401R1250 | | 0.220 | 1 |
| | | 40 | 811107 | DDA203 A-40/0.03 AP-R | 2CSB203401R1400 | | 0.220 | 1 |
| | | 63 ① | 811206 | DDA203 A-63/0.03 AP-R | 2CSB203401R1630 | | 0.260 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|-----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 4 | 30 | 25 | 801405 | DDA204 A-25/0.03 AP-R | 2CSB204401R1250 | | 0.260 | 1 |
| | | 40 | 801504 | DDA204 A-40/0.03 AP-R | 2CSB204401R1400 | | 0.260 | 1 |
| | | 63 ① | 801603 | DDA204 A-63/0.03 AP-R | 2CSB204401R1630 | | 0.305 | 1 |

① provided with additional terminals for remote tripping

RCD-blocks

DDA 200 series A  type, AE (for emergency stop)



DDA 202

DDA 200 AE, A type

Function: RCD-block for assembly on site with MCBs S 200 series. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_n=30$ mA).

The RCD-block is provided with two additional terminals to be used in emergency circuits for remote opening in positive safety. A remote control circuit should be connected to those terminals where NC push buttons should be inserted in series.

ATTENTION!

It's allowed to use multiple NC buttons to control one DDA200 AE but it's not permitted to use one button in a control circuit for more RCD-blocks DDA200 AE. DDA200 AE must be supplied by the top side.

Application: commercial, industrial.

Standard: IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1



DDA 203

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|---------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 2 | 30 | 63 | 801702 | DDA202 A-63/0.03 AE | 2CSB202701R1630 | | 0.180 | 1 |
| | 300 | 63 | 801801 | DDA202 A-63/0.3 AE | 2CSB202701R3630 | | 0.180 | 1 |
| | 500 | 63 | 801900 | DDA202 A-63/0.5 AE | 2CSB202701R4630 | | 0.180 | 1 |
| | 1000 | 63 | 802006 | DDA202 A-63/1 AE | 2CSB202701R5630 | | 0.180 | 1 |



DDA 204

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|---------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3 | 30 | 63 | 802105 | DDA203 A-63/0.03 AE | 2CSB203701R1630 | | 0.260 | 1 |
| | 300 | 63 | 802204 | DDA203 A-63/0.3 AE | 2CSB203701R3630 | | 0.260 | 1 |
| | 500 | 63 | 802303 | DDA203 A-63/0.5 AE | 2CSB203701R4630 | | 0.260 | 1 |
| | 1000 | 63 | 802402 | DDA203 A-63/1 AE | 2CSB203701R5630 | | 0.260 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|---------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 4 | 30 | 63 | 802501 | DDA204 A-63/0.03 AE | 2CSB204701R1630 | | 0.305 | 1 |
| | 300 | 63 | 802600 | DDA204 A-63/0.3 AE | 2CSB204701R3630 | | 0.305 | 1 |
| | 500 | 63 | 802709 | DDA204 A-63/0.5 AE | 2CSB204701R4630 | | 0.305 | 1 |
| | 1000 | 63 | 802808 | DDA204 A-63/1 AE | 2CSB204701R5630 | | 0.305 | 1 |

RCD-blocks

DDA 200 series A  type, selective



DDA 202



DDA 203



DDA 204

DDA 200 A selective type

Function: RCD-block for assembly on site with MCBs S 200 series. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents with an intentional tripping delay, which permits to realize the selectivity with downstream instantaneous devices (for more information about selectivity see the technical guide).

Application: commercial, industrial.

Standard: IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1

Surge current resistance (wave 8/20)=5000 A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 2 | 100 | 63 | 799306 | DDA202 A S-63/0.1 | 2CSB202201R2630 | | 0.180 | 1 |
| | 300 | 63 | 799405 | DDA202 A S-63/0.3 | 2CSB202201R3630 | | 0.180 | 1 |
| | 500 | 63 | 799504 | DDA202 A S-63/0.5 | 2CSB202201R4630 | | 0.180 | 1 |
| | 1000 | 63 | 799603 | DDA202 A S-63/1 | 2CSB202201R5630 | | 0.180 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 3 | 100 | 63 | 799702 | DDA203 A S-63/0.1 | 2CSB203201R2630 | | 0.260 | 1 |
| | 300 | 63 | 799801 | DDA203 A S-63/0.3 | 2CSB203201R3630 | | 0.260 | 1 |
| | 500 | 63 | 799900 | DDA203 A S-63/0.5 | 2CSB203201R4630 | | 0.260 | 1 |
| | 1000 | 63 | 800002 | DDA203 A S-63/1 | 2CSB203201R5630 | | 0.260 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 4 | 100 | 63 | 800101 | DDA204 A S-63/0.1 | 2CSB204201R2630 | | 0.305 | 1 |
| | 300 | 63 | 800200 | DDA204 A S-63/0.3 | 2CSB204201R3630 | | 0.305 | 1 |
| | 500 | 63 | 800309 | DDA204 A S-63/0.5 | 2CSB204201R4630 | | 0.305 | 1 |
| | 1000 | 63 | 800408 | DDA204 A S-63/1 | 2CSB204201R5630 | | 0.305 | 1 |

Attention: All DDA 200 A S are provided with additional terminals for remote tripping

RCD-blocks

DDA 200 series B    type



DDA 202



DDA 203



DDA 204

DDA 200 type B for continuous type fault currents

RCD-blocks type B are also sensitive to continuous or mainly continuous (continuous with weak ondulation) current pulsating earth fault currents. They are also sensitive to alternate sinusoidal and direct pulsating earth fault currents as with type A circuit breakers.

They satisfy the requirements of type A devices and thus the requirements for type AC devices which can be considered an extension. For this reason the differential blocks type B are sometimes referred as “universal type”, as sensitive to “all” kind of residual current shape.

DDA 200 type B can be coupled with all the S 200 series MCBs.

They are used for protection in installations with electronic equipments according to EN 50178.

Applications: tertiary and industrial.

Standards: IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1; IEC 62423 ed.2




Surge current resistance (8/20 wave): 3000 A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 2 | 30 | 25 | 748021 | DDA202 B APR-25/0,03 | 2CSB202592R1250 | | 0.350 | 1 |
| | | 40 | 515128 | DDA202 B APR-40/0,03 | 2CSB202592R1400 | | 0.350 | 1 |
| | | 63 | 610922 | DDA202 B APR-63/0,03 | 2CSB202592R1630 | | 0.350 | 1 |
| | 300 | 25 | 733324 | DDA202 B APR-25/0,3 | 2CSB202592R3250 | | 0.350 | 1 |
| | | 63 | 732426 | DDA202 B APR-63/0,3 | 2CSB202592R3630 | | 0.350 | 1 |
| | | | | | | | | |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3 | 30 | 63 | 733225 | DDA203 B APR-63/0,03 | 2CSB203592R1630 | | 0.375 | 1 |
| | 300 | 63 | 732327 | DDA203 B APR-63/0,3 | 2CSB203592R3630 | | 0.375 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-----------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 4 | 30 | 25 | 732228 | DDA204 B APR-25/0,03 | 2CSB204592R1250 | | 0.395 | 1 |
| | | 40 | 020325 | DDA204 B APR-40/0,03 | 2CSB204592R1400 | | 0.395 | 1 |
| | | 63 | 733027 | DDA204 B APR-63/0,03 | 2CSB204592R1630 | | 0.395 | 1 |
| | 300 | 25 | 732129 | DDA204 B APR-25/0,3 | 2CSB204592R3250 | | 0.395 | 1 |
| | | 63 | 732921 | DDA204 B APR-63/0,3 | 2CSB204592R3630 | | 0.395 | 1 |
| | | | | | | | | |
| | 500 | 63 | 732020 | DDA204 B APR-63/0,5 | 2CSB204592R4630 | | 0.395 | 1 |
| | | | | | | | | |

RCD-blocks

DDA 200 series B    type



DDA 203



DDA 204

DDA 200 type B for selective continuous type fault currents

Function: protection against the effects of alternate sinusoidal, direct pulsating, continuous current and continuous current pulsating earth fault currents with an intentional trip delay that permits selectivity with instantaneous type devices placed downstream (for further information on selectivity, see Chapter 3 of Electrical installation solutions for buildings - technical details).

DDA 200 type B can be coupled with all the S 200 series MCBs.
They are used for protection in installations with electronic equipments according to EN 50178.

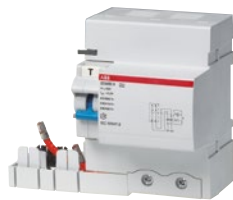
Applications: tertiary and industrial.
Standards: IEC/EN 61009-1 Ann. G; IEC/EN 61009-2-1; IEC 62423 ed.2
Surge current resistance (8/20 wave): 5000 A

| Number of poles | Rated residual current I Δ n mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|--------------------------------|--------------------|-------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 3 | 300 | 63 | 733126 | DDA203 B S-63/0,3 | 2CSB203892R3630 | | 0.375 | 1 |

| Number of poles | Rated residual current I Δ n mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|--------------------------------|--------------------|-------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 4 | 300 | 63 | 732822 | DDA204 B S-63/0,3 | 2CSB204892R3630 | | 0.395 | 1 |

RCD-blocks

DDA 800 technical features



DDA 800

| Standards | | | |
|-----------------------|--|--------------|-----------------|
| Electrical features | Type (wave form of the earth leakage sensed) | | |
| | Poles | | |
| | Rated current I_n | | A |
| | Rated sensitivity $I_{\Delta n}$ | | A |
| | Rated voltage U_e | | V |
| | Insulation voltage U_i | | V |
| | Operating voltage of circuit test U_t | | V |
| | Rated frequency | | Hz |
| | Rated breaking capacity (I_{cn}) acc. to IEC /EN 60947-2 | | A |
| | Rated residual breaking capacity $I_{\Delta m}$ | with S 800 C | kA |
| | | with S 800 N | kA |
| | | with S 800 S | kA |
| | Rated impulse withstand voltage (1.2/50) U_{imp} | | kV |
| | Dielectric test voltage at ind. freq. for 1 min. | | kV |
| | Surge current resistance (wave 8/20) | | A |
| Mechanical features | Toggle | | |
| | Electrical life | | |
| | Mechanical life | | |
| | Protection degree | housing | |
| | | terminals | |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | °C/RH |
| | Ambient temperature (with daily average $\leq +35$ °C) | | °C |
| | Storage temperature | | °C |
| | Terminal size for cables | flexible | mm ² |
| | | rigid | mm ² |
| | Tightening torque | | Nm |
| Dimensions and weight | Mounting | | |
| | Dimensions (H x D x W) | 2P | mm |
| | | 3P | mm |
| | | 4P | mm |
| | Weight | 2P | g |
| | | 3P | g |
| | | 4P | g |
| Combination with MCBs | Combinable with: | S 800 N | |
| | | S 800 S | |

* only on 3P and 4P versions

RCD-blocks

DDA 800 technical features

| DDA 800 AC | DDA 800 A | | DDA 800 A AP-R | DDA 800 A S | |
|--|--------------|---------|----------------|-------------|------------|
| IEC/EN 60947-2 Ann. B | | | | | |
| AC | A | | A | A | |
| 2P, 3P, 4P | | | | | |
| 63 | 63 | 100 | 63-100 | 63 | 100 |
| 0.03-0.3 | 0.03-0.3-0.5 | 0.3-0.5 | 0.03 | 0.3-1 | 0.3-0.5*-1 |
| 230/400 - 240/415 - 400/690 | | | | | |
| 690 | | | | | |
| 195-690 | | | | | |
| 50...60 | | | | | |
| according to the breaking capacity of the associated MCB | | | | | |
| according to the Icu of the associated MCB | | | | | |
| according to the Icu of the associated MCB | | | | | |
| according to the Icu of the associated MCB | | | | | |
| 6 | | | | | |
| 2.5 | | | | | |
| NA | | | 3000 | 5000 | |
| blue operating just from OFF position | | | | | |
| 10000 | | | | | |
| 20000 | | | | | |
| IP4X | | | | | |
| IP2X | | | | | |
| 28 cycles with 55°C/90-96% and 25°C/95-100% | | | | | |
| -25...+60 | | | | | |
| -40...+70 | | | | | |
| 6...50 | | | | | |
| 6...70 | | | | | |
| min. 3 / max. 4 | | | | | |
| on DIN rail EN 60715 (35 mm) by means of rapid fixing device | | | | | |
| 108.2 x 82.3 x 81 | | | | | |
| 108.2 x 82.3 x 117 | | | | | |
| 108.2 x 82.3 x 117 | | | | | |
| 300 for 63 A - 415 for 100 A | | | | | |
| 400 for 63 A - 640 for 100 A | | | | | |
| 460 for 63 A - 765 for 100 A | | | | | |
| yes | | | | | |
| yes | | | | | |

RCD-blocks

DDA 800 AC  type for MCBs S800



DDA 802



DDA 803



DDA 804

DDA 800 AC type for MCBs S800

Function: RCD-block for assembly on site with MCBs S800 series up to 63 A. Protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 60947-2 Ann. B

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 2 | 30 | 63 | 919704 | DDA802AC-63/0.03 | 2CSB802001R1630 | | 0.300 | 1 |
| | 300 | 63 | 919902 | DDA802AC-63/0.3 | 2CSB802001R3630 | | 0.300 | 1 |

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 3 | 30 | 63 | 922001 | DDA803AC-63/0.03 | 2CSB803001R1630 | | 0.400 | 1 |
| | 300 | 63 | 922209 | DDA803AC-63/0.3 | 2CSB803001R3630 | | 0.400 | 1 |

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | kg | pc. | |
| 4 | 30 | 63 | 924401 | DDA804AC-63/0.03 | 2CSB804001R1630 | | 0.460 | 1 |
| | 300 | 63 | 924609 | DDA804AC-63/0.3 | 2CSB804001R3630 | | 0.460 | 1 |

RCD-blocks

DDA 800 A  type for MCBs S800



DDA 802



DDA 803



DDA 804

DDA 800 A type for MCBs S800

Function: RCD-block for assembly on site with MCBs S800 up to 100 A. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 60947-2 Ann. B

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 2 | 30 | 63 | 920007 | DDA802 A-63/0.03 | 2CSB802101R1630 | | 0.300 | 1 |
| | 300 | 63 | 920205 | DDA802 A-63/0.3 | 2CSB802101R3630 | | 0.300 | 1 |
| | | 100 | 545033 | DDA802 A-100/0.3 | 2CSB802101R3000 | | 0.415 | 1 |
| | 500 | 63 | 920403 | DDA802 A-63/0.5 | 2CSB802101R4630 | | 0.300 | 1 |
| | | 100 | 542636 | DDA802 A-100/0.5 | 2CSB802101R4000 | | 0.415 | 1 |

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3 | 30 | 63 | 922308 | DDA803 A-63/0.03 | 2CSB803101R1630 | | 0.400 | 1 |
| | 300 | 63 | 922506 | DDA803 A-63/0.3 | 2CSB803101R3630 | | 0.400 | 1 |
| | | 100 | 544135 | DDA803 A-100/0.3 | 2CSB803101R3000 | | 0.640 | 1 |
| | 500 | 63 | 922704 | DDA803 A-63/0.5 | 2CSB803101R4630 | | 0.400 | 1 |
| | | 100 | 541738 | DDA803 A-100/0.5 | 2CSB803101R4000 | | 0.640 | 1 |

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 4 | 30 | 63 | 924807 | DDA804 A-63/0.03 | 2CSB804101R1630 | | 0.460 | 1 |
| | 300 | 63 | 925002 | DDA804 A-63/0.3 | 2CSB804101R3630 | | 0.460 | 1 |
| | | 100 | 547532 | DDA804 A-100/0.3 | 2CSB804101R3000 | | 0.765 | 1 |
| | 500 | 63 | 925200 | DDA804 A-63/0.5 | 2CSB804101R4630 | | 0.460 | 1 |
| | | 100 | 544937 | DDA804 A-100/0.5 | 2CSB804101R4000 | | 0.765 | 1 |

RCD-blocks

DDA 800 A  type AP-R (high immunity) for MCBs S800



DDA 802



DDA 803



DDA 804

DDA 800 A AP-R type for MCBs S800

Function: RCD-block for assembly on site with MCBs S800 up to 100 A. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing the best compromise between safety and continuity in the service thanks to the resistance to unwanted trippings; protection against indirect contacts and additional protection against direct contacts (with $I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 60947-2 Ann. B

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 2 | 30 | 63 | 921400 | DDA802 A-63/0.03 AP-R | 2CSB802401R1630 | | 0.300 | 1 |
| | | 100 | 544630 | DDA802 A-100/0.03 AP-R | 2CSB802401R1000 | | 0.415 | 1 |

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3 | 30 | 63 | 923800 | DDA803 A-63/0.03 AP-R | 2CSB803401R1630 | | 0.400 | 1 |
| | | 100 | 542230 | DDA803 A-100/0.03 AP-R | 2CSB803401R1000 | | 0.640 | 1 |

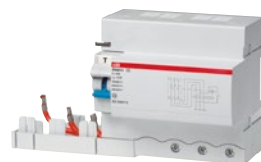
| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 4 | 30 | 63 | 927709 | DDA804 A-63/0.03 AP-R | 2CSB804401R1630 | | 0.460 | 1 |
| | | 100 | 547136 | DDA804 A-100/0.03 AP-R | 2CSB804401R1000 | | 0.765 | 1 |

RCD-blocks

DDA 800 A  type selective for MCBs S800



DDA 802



DDA 803



DDA 804

DDA 800 A selective type for MCBs S800

Function: RCD-block for assembly on site with MCBs S800 series up to 100 A. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents with an intentional tripping delay, which permits to realize the selectivity with downstream instantaneous devices (for more information about selectivity see the technical guide).

Application: commercial, industrial.

Standard: IEC/EN 60947-2 Ann. B

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|--------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 2 | 300 | 63 | 920601 | DDA802 A S-63/0.3 | 2CSB802201R3630 | | 0.300 | 1 |
| | | 100 | 542537 | DDA802 A S-100/0.3 | 2CSB802201R3000 | | 0.415 | 1 |
| | 1000 | 63 | 920809 | DDA802 A S-63/1 | 2CSB802201R5630 | | 0.300 | 1 |
| | | 100 | 547433 | DDA802 A S-100/1 | 2CSB802201R5000 | | 0.415 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|--------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 3 | 300 | 63 | 922902 | DDA803 A S-63/0.3 | 2CSB803201R3630 | | 0.400 | 1 |
| | | 100 | 544838 | DDA803 A S-100/0.3 | 2CSB803201R3000 | | 0.640 | 1 |
| | 500 | 100 | 542438 | DDA803 A S-100/0.5 | 2CSB803201R4000 | | 0.640 | 1 |
| | 1000 | 63 | 923206 | DDA803 A S-63/1 | 2CSB803201R5630 | | 0.400 | 1 |
| | | 100 | 547334 | DDA803 A S-100/1 | 2CSB803201R5000 | | 0.640 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|--------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 4 | 300 | 63 | 926207 | DDA804 A S-63/0.3 | 2CSB804201R3630 | | 0.460 | 1 |
| | | 100 | 544739 | DDA804 A S-100/0.3 | 2CSB804201R3000 | | 0.765 | 1 |
| | 500 | 100 | 542339 | DDA804 A S-100/0.5 | 2CSB804201R4000 | | 0.765 | 1 |
| | 1000 | 63 | 926504 | DDA804 A S-63/1 | 2CSB804201R5630 | | 0.460 | 1 |
| | | 100 | 547235 | DDA804 A S-100/1 | 2CSB804201R5000 | | 0.765 | 1 |

RCBO DS201

Compact solutions for a complete protection

Easy to install

Bi-directional cylindrical terminal ensure higher safety of connecting operations, making them easier.

Test pushbutton

Test pushbutton to verify the correct functioning of the device.

Earth fault indicator

Blue flag on the toggle to identify earth fault trips. I ON – 0 OFF indication molded on the toggle.

Contact position indicator (CPI)

To indicate the status of the contacts independently from the toggle position: green (open), red (closed).

Anti counterfeiting

DS201 is equipped with a tag RFid in order to authenticate the product.

Laser printed information

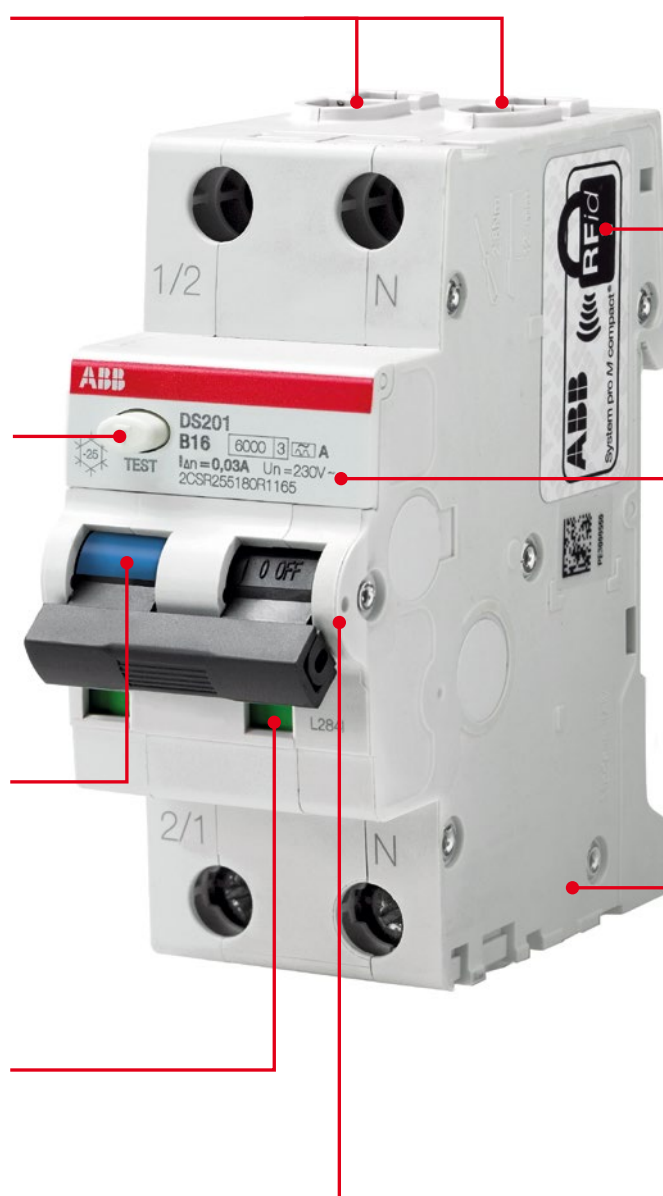
Information on the device are laser printed to ensure readability over time.

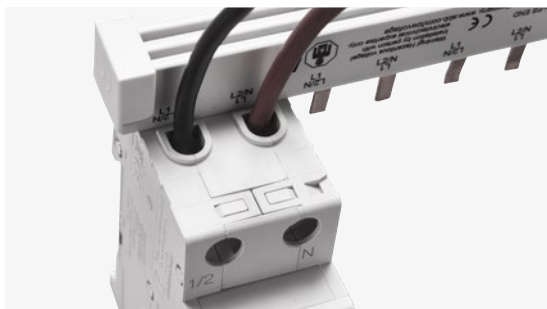
Combination with accessories

Improved combination with System pro M compact® accessories, including also the auxiliary contact for bottom fitting and motor operating device.

Dedicated space for label

Dedicated space to insert labels in order to clearly identify the protected lines.





Easy installation

The terminals available on DS201 make easier the supply operation in parallel with cables and busbars as they are composed by two different seats: a front seat for 25 mm² cables and a back seat for 10 mm² busbars. Supply is possible either from top or bottom side.



Mounting clip

Stable fixing on DIN rail, easy and fast mounting and dismounting operations thanks to the standard mounting clip.



Display the operational status

Easy troubleshooting and reduced downtime for maintenance operations thanks to both the blue indicator, that signals the differential tripping to immediately identify any earth fault (it cannot be activated in case of manual operation on the toggle) and the contact position indicator (CPI) that helps to always know the status of the contacts (red: closed contacts; green: open contacts).



Reliable in extreme conditions

RCBO DS201 can be used in ambient conditions where the temperature of the surrounding atmosphere has values between -25 °C (snowflake laser printed on the front of the device) and +55°C.



Additional laser printing

Additional information are laser printed on the lateral side of the device, including also the wiring diagram and the EAN code respectively for an easier installation and for an easier stock management.



RFid

Product Made in Italy, with RFid tag on the product side containing a unique serial number assigned to ABB according to the standard ISO/IEC FCD 15693-3 in order to authenticate the product.

RCBOs

DS201 technical features



| | | | | DS201 L | DS201 |
|---------------------|---|--|--|---|---|
| Standards | | | | IEC/EN 61009-1; IEC/EN 61009-2-1 | IEC/EN 61009-1; IEC/EN 61009-2-1 |
| Electrical features | Type (wave form of the earth leakage sensed) | | | A - AC - APR | A - AC - APR |
| | Number of poles | | | 1P + N | 1P + N |
| | Rated current I_n | | | $6 \leq I_n \leq 32$ | $1 \leq I_n \leq 40$ |
| | Rated sensitivity $I_{\Delta n}$ | | | 0.01 - 0.03 - 0.3 | 0.01 - 0.03 - 0.1 - 0.3 |
| | Rated voltage U_e | | | 230-240 | 230-240 |
| | Insulation voltage U_i | | | 500 V AC | 500 V AC |
| | Overvoltage category | | | III | III |
| | Pollution degree | | | 2 | 2 |
| | Operating voltage of circuit test U_t | | | 110 (170 for 30mA) - 264 | 110 (170 for 30mA) - 264 |
| | Rated frequency | | | 50/60 | 50/60 |
| | Rated breaking capacity I_{cn} acc. to IEC/EN 61009-1 | | | 4500 | 6000 |
| | Rated breaking capacity I_{cu} ultimate acc. to IEC/EN 60947-2 (only referring to short circuit test) | | | 6 | 10 |
| | Rated residual breaking capacity $I_{\Delta m}$ according to EN 61009-1 | | | 4500 | 6000 |
| | Rated residual breaking capacity $I_{\Delta m}$ according to IEC 61009-1 | | | 4500 | 6000 up to 25 A; 4500 for 32A and 40A |
| | Rated impulse withstand voltage (1.2/50) U_{imp} | | | 4 kV | 4 kV |
| | Dielectric test voltage at ind. freq. for 1 min. | | | 2.5 kV (50 / 60Hz, 1 min.) | 2.5 kV (50 / 60Hz, 1 min.) |
| | Thermomagnetic release - characteristic | | | B: $3 I_n \leq I_n \leq 5 I_n$ | ■ |
| | | | | C: $5 I_n \leq I_n \leq 10 I_n$ | ■ |
| | | | | K: $10 I_n \leq I_n \leq 14 I_n$ | ■ |
| Mechanical features | Energy limiting class acc. to EN 61009-1 | | | 3 | 3 |
| | Surge current resistance (wave 8/20) | | | NA for A, AC versions; 3000 for APR version | NA for A, AC versions; 3000 for APR version |
| | Housing | | | Insulation group I - II, RAL 7035 | Insulation group I - II, RAL 7035 |
| | Toggle | | | Insulation group II, Black RAL 9005, sealable in ON-OFF positions | Insulation group II, Black RAL 9005, sealable in ON-OFF positions |
| | Contact position indication | | | Green/Red Window | Green/Red Window |
| | Earth fault trip indication | | | Blue flag on toggle | Blue flag on toggle |
| | Electrical life | | | 10000 | 10000 |
| | Mechanical life | | | 20000 | 20000 |
| | Protection degree acc. to EN 60529 | | | IP4X | IP4X |
| | | | | IP2X | IP2X |
| | Shock resistance acc. to IEC/EN 60068-2-27 | | | 25g - 2 shocks - 13ms | 25g - 2 shocks - 13ms |
| | Vibration resistance acc. to IEC/EN 60068-2-6 | | | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | | 28 cycles with 55°C/90-96% and 25°C/95-100% | 28 cycles with 55°C/90-96% and 25°C/95-100% |
| | Reference temperature for setting of thermal element | | | 30 | 30 (20 for K tripping char) |
| | Ambient temperature (with daily average $\leq +35$ °C) | | | -25...+55 | -25...+55 |
| | Storage temperature | | | -40...+70 | -40...+70 |

RCBOs

DS201 technical features



| DS201 M | DS201 M 110V | DS201 T |
|---|---|---|
| IEC/EN 61009-1; IEC/EN 61009-2-1 | IEC 61009-1; IEC 61009-2-1 | IEC/EN 61009-1; IEC/EN 61009-2-1 |
| A - AC - APR - F | A | A - APR |
| 1P + N | 1P + N | 1P + N |
| $4 \leq I_n \leq 40$ | $6 \leq I_n \leq 40$ | $6 \leq I_n \leq 40$ |
| 0.01 - 0.03 - 0.1 - 0.3 | 0.03 | 0.03 |
| 230-240 | 230-240 | 230-240 |
| 500 V AC | 500 V AC | 500 V AC |
| III | III | III |
| 2 | 2 | 2 |
| 110 (170 for 30mA) - 264 | 110 - 264 | 170 - 264 |
| 50/60 | 50/60 | 50/60 |
| 10000 | 10000 | 6000 |
| 15 | 15 | 10 |
| 11.2 | 11.2 | 7.5 |
| 6000 | 6000 | 6000 |
| 6000 up to 25 A; 4500 for 32A and 40A | 6000 up to 25 A; 4500 for 32A and 40A | 6000 up to 25 A; 4500 for 32A and 40A |
| 4 kV | 4 kV | 4 kV |
| 2.5 kV (50 / 60Hz, 1 min.) | 2.5 kV (50 / 60Hz, 1 min.) | 2.5 kV (50 / 60Hz, 1 min.) |
| ■ | ■ | ■ |
| ■ | ■ | ■ |
| ■ | | |
| 3 | NA | 3 |
| NA for A, AC versions; 3000 for APR and F version | NA | NA for A; 3000 for APR version |
| Insulation group I - II, RAL 7035 | Insulation group I - II, RAL 7035 | Insulation group I - II, RAL 7035 |
| Insulation group II, Black RAL 9005, sealable in ON-OFF positions | Insulation group II, Black RAL 9005, sealable in ON-OFF positions | Insulation group II, Black RAL 9005, sealable in ON-OFF positions |
| Green/Red Window | Green/Red Window | Green/Red Window |
| Blue flag on toggle | Blue flag on toggle | Blue flag on toggle |
| 10000 | 10000 | 10000 |
| 20000 | 20000 | 20000 |
| IP4X | IP4X | IP4X |
| IP2X | IP2X | IP2X |
| 25g - 2 shocks - 13ms | 25g - 2 shocks - 13ms | 25g - 2 shocks - 13ms |
| 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz |
| 28 cycles with 55°C/90-96% and 25°C/95-100% | 28 cycles with 55°C/90-96% and 25°C/95-100% | 28 cycles with 55°C/90-96% and 25°C/95-100% |
| 30 (20 for K tripping char) | 30 | 30 |
| -25...+55 | -25...+55 | -25...+55 |
| -40...+70 | -40...+70 | -40...+70 |

RCBOs

DS201 technical features



| | | | | DS201 L | DS201 |
|-------------------------------------|---|--------------------------------------|-----|--|--|
| Installation | Terminal type | top / bottom | | failsafe bi-directional cylinder-lift terminal (shock protected) | failsafe bi-directional cylinder-lift terminal (shock protected) |
| | Terminal size for cables | top / bottom | mm² | 25/25 | 25/25 |
| | Terminal size for busbars | top / bottom | mm² | 10/10 | 10/10 |
| | Tightening torque | top / bottom | Nm | 2.8 | 2.8 |
| | Stripping length of the cable | | mm | 12 | 12 |
| | Mounting | | | on DIN rail EN 60715 (35mm) by means of mounting clip | on DIN rail EN 60715 (35mm) by means of mounting clip |
| | Mounting position | | | Any | Any |
| | Supply from | | | Top/Bottom terminals | Top/Bottom terminals |
| Dimensions and weight | Dimensions (H x D x W) | | mm | 85 x 69 x 35 | 85 x 69 x 35 |
| | Weight | | g | 200 | 200 |
| Combination with auxiliary elements | Combinable with accessories and auxiliaries | Auxiliary contact | | yes | yes |
| | | Signal contact / auxiliary contact | | yes | yes |
| | | Shunt trip | | yes | yes |
| | | Auxiliary contact for bottom fitting | | yes | yes |
| | | Undervoltage release | | yes | yes |
| | | Overvoltage release | | yes | yes |
| | | Motor operating device | | yes | yes |

DS201 technical features

[illegible]

RCBOs

DS201L series 4500 A  type, C characteristic



DS201L

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 4500$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 6 | 637318 | DS201 L C6 A10 | 2CSR245180R0064 | | 0.2 | 1 |
| | | 10 | 637011 | DS201 L C10 A10 | 2CSR245180R0104 | | 0.2 | 1 |
| | | 16 | 637110 | DS201 L C16 A10 | 2CSR245180R0164 | | 0.2 | 1 |
| | 30 | 6 | 636717 | DS201 L C6 A30 | 2CSR245180R1064 | | 0.2 | 1 |
| | | 10 | 636816 | DS201 L C10 A30 | 2CSR245180R1104 | | 0.2 | 1 |
| | | 16 | 636915 | DS201 L C16 A30 | 2CSR245180R1164 | | 0.2 | 1 |
| | | 20 | 638216 | DS201 L C20 A30 | 2CSR245180R1204 | | 0.2 | 1 |
| | | 25 | 638315 | DS201 L C25 A30 | 2CSR245180R1254 | | 0.2 | 1 |
| | | 32 | 638018 | DS201 L C32 A30 | 2CSR245180R1324 | | 0.2 | 1 |
| | 300 | 6 | 638117 | DS201 L C6 A300 | 2CSR245180R3064 | | 0.2 | 1 |
| | | 10 | 638919 | DS201 L C10 A300 | 2CSR245180R3104 | | 0.2 | 1 |
| | | 16 | 639114 | DS201 L C16 A300 | 2CSR245180R3164 | | 0.2 | 1 |
| | | 20 | 638810 | DS201 L C20 A300 | 2CSR245180R3204 | | 0.2 | 1 |
| | | 25 | 638612 | DS201 L C25 A300 | 2CSR245180R3254 | | 0.2 | 1 |
| | | 32 | 639312 | DS201 L C32 A300 | 2CSR245180R3324 | | 0.2 | 1 |

RCBOs

DS201 L 4500 AC  type, C characteristic



DS201 L

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I\Delta n=30\text{ mA}$).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 4500\text{ A}$

| No. of poles | Rated residual current $I\Delta n\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---|---------------------------------|--------------------|-------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 043515 | DS201 L C6 AC30 | 2CSR245080R1064 | | 0.2 | 1 |
| | | 10 | 043416 | DS201 L C10 AC30 | 2CSR245080R1104 | | 0.2 | 1 |
| | | 16 | 030218 | DS201 L C16 AC30 | 2CSR245080R1164 | | 0.2 | 1 |
| | | 20 | 030010 | DS201 L C20 AC30 | 2CSR245080R1204 | | 0.2 | 1 |
| | | 25 | 030119 | DS201 L C25 AC30 | 2CSR245080R1254 | | 0.2 | 1 |
| | | 32 | 637615 | DS201 L C32 AC30 | 2CSR245080R1324 | | 0.2 | 1 |
| | 300 | 6 | 637714 | DS201 L C6 AC300 | 2CSR245080R3064 | | 0.2 | 1 |
| | | 10 | 637417 | DS201 L C10 AC300 | 2CSR245080R3104 | | 0.2 | 1 |
| | | 16 | 637516 | DS201 L C16 AC300 | 2CSR245080R3164 | | 0.2 | 1 |
| | | 20 | 637813 | DS201 L C20 AC300 | 2CSR245080R3204 | | 0.2 | 1 |
| | | 25 | 637912 | DS201 L C25 AC300 | 2CSR245080R3254 | | 0.2 | 1 |
| | | 32 | 637219 | DS201 L C32 AC300 | 2CSR245080R3324 | | 0.2 | 1 |

DS201 L 4500 APR  type, C characteristic



DS201 L

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal trade-off between safety and continuity of service, thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact ($I\Delta n=30\text{ mA}$); protection and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 4500\text{ A}$

| No. of poles | Rated residual current $I\Delta n\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---|---------------------------------|--------------------|-------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 639411 | DS201 L C6 APR30 | 2CSR245480R1064 | | 0.2 | 1 |
| | | 10 | 638711 | DS201 L C10 APR30 | 2CSR245480R1104 | | 0.2 | 1 |
| | | 16 | 639619 | DS201 L C16 APR30 | 2CSR245480R1164 | | 0.2 | 1 |
| | | 20 | 639213 | DS201 L C20 APR30 | 2CSR245480R1204 | | 0.2 | 1 |
| | | 25 | 639510 | DS201 L C25 APR30 | 2CSR245480R1254 | | 0.2 | 1 |
| | | 32 | 639015 | DS201 L C32 APR30 | 2CSR245480R1324 | | 0.2 | 1 |

RCBOs

DS201 6000 A  type, B characteristic



DS201

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|----------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 10 | 065913 | DS201 B10 A10 | 2CSR255180R0105 | | 0.2 | 1 |
| | | 13 | 065814 | DS201 B13 A10 | 2CSR255180R0135 | | 0.2 | 1 |
| | | 16 | 066316 | DS201 B16 A10 | 2CSR255180R0165 | | 0.2 | 1 |
| | 30 | 6 | 066217 | DS201 B6 A30 | 2CSR255180R1065 | | 0.2 | 1 |
| | | 10 | 066118 | DS201 B10 A30 | 2CSR255180R1105 | | 0.2 | 1 |
| | | 13 | 058113 | DS201 B13 A30 | 2CSR255180R1135 | | 0.2 | 1 |
| | | 16 | 058519 | DS201 B16 A30 | 2CSR255180R1165 | | 0.2 | 1 |
| | | 20 | 969815 | DS201 B20 A30 | 2CSR255180R1205 | | 0.2 | 1 |
| | | 25 | 969716 | DS201 B25 A30 | 2CSR255180R1255 | | 0.2 | 1 |
| | | 32 | 970019 | DS201 B32 A30 | 2CSR255180R1325 | | 0.2 | 1 |
| | | 40 | 969914 | DS201 B40 A30 | 2CSR255180R1405 | | 0.2 | 1 |
| | 100 | 6 | 779414 | DS201 B6 A100 | 2CSR255180R2065 | | 0.2 | 1 |
| | | 10 | 790211 | DS201 B10 A100 | 2CSR255180R2105 | | 0.2 | 1 |
| | | 13 | 779810 | DS201 B13 A100 | 2CSR255180R2135 | | 0.2 | 1 |
| | | 16 | 779711 | DS201 B16 A100 | 2CSR255180R2165 | | 0.2 | 1 |
| | | 20 | 779612 | DS201 B20 A100 | 2CSR255180R2205 | | 0.2 | 1 |
| | | 25 | 779513 | DS201 B25 A100 | 2CSR255180R2255 | | 0.2 | 1 |
| | | 32 | 372011 | DS201 B32 A100 | 2CSR255180R2325 | | 0.2 | 1 |
| | | 40 | 023913 | DS201 B40 A100 | 2CSR255180R2405 | | 0.2 | 1 |
| | 300 | 6 | 070313 | DS201 B6 A300 | 2CSR255180R3065 | | 0.2 | 1 |
| | | 10 | 643616 | DS201 B10 A300 | 2CSR255180R3105 | | 0.2 | 1 |
| | | 13 | 643418 | DS201 B13 A300 | 2CSR255180R3135 | | 0.2 | 1 |
| | | 16 | 643517 | DS201 B16 A300 | 2CSR255180R3165 | | 0.2 | 1 |
| | | 20 | 643814 | DS201 B20 A300 | 2CSR255180R3205 | | 0.2 | 1 |
| | | 25 | 643715 | DS201 B25 A300 | 2CSR255180R3255 | | 0.2 | 1 |
| | | 32 | 643319 | DS201 B32 A300 | 2CSR255180R3325 | | 0.2 | 1 |
| | | 40 | 965312 | DS201 B40 A300 | 2CSR255180R3405 | | 0.2 | 1 |

RCBOs

DS201T 6000 A type, B characteristic



DS201T

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30\text{ mA}$).

Application: railway, rolling stock, traction.
Standard: IEC/EN 61009-1; IEC/EN 61009-2-1
 $I_{cn} = 6000\text{ A}$

| No. of poles | Rated residual current $I_{\Delta n}\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|---------------------------------|---------------------------|----------------|-----------------|------------------|-------------------------|---------------------|
| | | | | Type code | Order code | | | |
| 1P+N | 30 | 6 | 578116 | DS201T B6 A30 | 2CSR255188R1065 | | 0.2 | 1 |
| | | 10 | 566311 | DS201T B10 A30 | 2CSR255188R1105 | | 0.2 | 1 |
| | | 13 | 591214 | DS201T B13 A30 | 2CSR255188R1135 | | 0.2 | 1 |
| | | 16 | 579410 | DS201T B16 A30 | 2CSR255188R1165 | | 0.2 | 1 |
| | | 20 | 567615 | DS201T B20 A30 | 2CSR255188R1205 | | 0.2 | 1 |
| | | 25 | 588719 | DS201T B25 A30 | 2CSR255188R1255 | | 0.2 | 1 |
| | | 32 | 576914 | DS201T B32 A30 | 2CSR255188R1325 | | 0.2 | 1 |
| | | 40 | 565116 | DS201T B40 A30 | 2CSR255188R1405 | | 0.2 | 1 |

RCBOs

DS201 6000 A  type, C characteristic



DS201

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|----------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 10 | 738817 | DS201 C10 A10 | 2CSR255180R0104 | | 0.2 | 1 |
| | | 13 | 738015 | DS201 C13 A10 | 2CSR255180R0134 | | 0.2 | 1 |
| | | 16 | 739418 | DS201 C16 A10 | 2CSR255180R0164 | | 0.2 | 1 |
| | 30 | 2 | 738718 | DS201 C2 A30 | 2CSR255180R1024 | | 0.2 | 1 |
| | | 4 | 737919 | DS201 C4 A30 | 2CSR255180R1044 | | 0.2 | 1 |
| | | 6 | 737117 | DS201 C6 A30 | 2CSR255180R1064 | | 0.2 | 1 |
| | | 8 | 738619 | DS201 C8 A30 | 2CSR255180R1084 | | 0.2 | 1 |
| | | 10 | 737810 | DS201 C10 A30 | 2CSR255180R1104 | | 0.2 | 1 |
| | | 13 | 737018 | DS201 C13 A30 | 2CSR255180R1134 | | 0.2 | 1 |
| | | 16 | 739319 | DS201 C16 A30 | 2CSR255180R1164 | | 0.2 | 1 |
| | | 20 | 738510 | DS201 C20 A30 | 2CSR255180R1204 | | 0.2 | 1 |
| | | 25 | 737711 | DS201 C25 A30 | 2CSR255180R1254 | | 0.2 | 1 |
| | | 32 | 737612 | DS201 C32 A30 | 2CSR255180R1324 | | 0.2 | 1 |
| | | 40 | 738411 | DS201 C40 A30 | 2CSR255180R1404 | | 0.2 | 1 |
| | 100 | 6 | 739012 | DS201 C6 A100 | 2CSR255180R2064 | | 0.2 | 1 |
| | | 10 | 738213 | DS201 C10 A100 | 2CSR255180R2104 | | 0.2 | 1 |
| | | 13 | 737315 | DS201 C13 A100 | 2CSR255180R2134 | | 0.2 | 1 |
| | | 16 | 738916 | DS201 C16 A100 | 2CSR255180R2164 | | 0.2 | 1 |
| | | 20 | 738114 | DS201 C20 A100 | 2CSR255180R2204 | | 0.2 | 1 |
| | | 25 | 737216 | DS201 C25 A100 | 2CSR255180R2254 | | 0.2 | 1 |
| | | 32 | 747215 | DS201 C32 A100 | 2CSR255180R2324 | | 0.2 | 1 |
| | | 40 | 747116 | DS201 C40 A100 | 2CSR255180R2404 | | 0.2 | 1 |
| | 300 | 2 | 739210 | DS201 C2 A300 | 2CSR255180R3024 | | 0.2 | 1 |
| | | 4 | 062714 | DS201 C4 A300 | 2CSR255180R3044 | | 0.2 | 1 |
| | | 6 | 007814 | DS201 C6 A300 | 2CSR255180R3064 | | 0.2 | 1 |
| | | 8 | 007715 | DS201 C8 A300 | 2CSR255180R3084 | | 0.2 | 1 |
| | | 10 | 062615 | DS201 C10 A300 | 2CSR255180R3104 | | 0.2 | 1 |
| | | 13 | 886716 | DS201 C13 A300 | 2CSR255180R3134 | | 0.2 | 1 |
| | | 16 | 886815 | DS201 C16 A300 | 2CSR255180R3164 | | 0.2 | 1 |
| | | 20 | 886617 | DS201 C20 A300 | 2CSR255180R3204 | | 0.2 | 1 |
| | | 25 | 886310 | DS201 C25 A300 | 2CSR255180R3254 | | 0.2 | 1 |
| | | 32 | 886211 | DS201 C32 A300 | 2CSR255180R3324 | | 0.2 | 1 |
| | | 40 | 326311 | DS201 C40 A300 | 2CSR255180R3404 | | 0.2 | 1 |

RCBOs

DS201T 6000 A type, C characteristic



DS201T

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I\Delta n=30\text{ mA}$).

Application: railway, rolling stock, traction.
Standard: IEC/EN 61009-1; IEC/EN 61009-2-1
 $I_{cn} = 6000\text{ A}$

| No. of poles | Rated residual current $I\Delta n\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---|---------------------------------|---------------------------|----------------|-----------------|------------------|-------------------------|---------------------|
| | | | | Type code | Order code | | | |
| 1P+N | 30 | 6 | 565215 | DS201T C6 A30 | 2CSR255188R1064 | | 0.2 | 1 |
| | | 10 | 590019 | DS201T C10 A30 | 2CSR255188R1104 | | 0.2 | 1 |
| | | 13 | 578215 | DS201T C13 A30 | 2CSR255188R1134 | | 0.2 | 1 |
| | | 16 | 566410 | DS201T C16 A30 | 2CSR255188R1164 | | 0.2 | 1 |
| | | 20 | 591313 | DS201T C20 A30 | 2CSR255188R1204 | | 0.2 | 1 |
| | | 25 | 579519 | DS201T C25 A30 | 2CSR255188R1254 | | 0.2 | 1 |
| | | 32 | 567714 | DS201T C32 A30 | 2CSR255188R1324 | | 0.2 | 1 |
| | | 40 | 589914 | DS201T C40 A30 | 2CSR255188R1404 | | 0.2 | 1 |

RCBOs

DS201 6000 A  type, K characteristic



DS201

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|----------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 10 | 647515 | DS201 K10 A10 | 2CSR255180R0107 | | 0.2 | 1 |
| | | 13 | 061717 | DS201 K13 A10 | 2CSR255180R0137 | | 0.2 | 1 |
| | | 16 | 295419 | DS201 K16 A10 | 2CSR255180R0167 | | 0.2 | 1 |
| | 30 | 1 | 295310 | DS201 K1 A30 | 2CSR255180R1017 | | 0.2 | 1 |
| | | 2 | 498513 | DS201 K2 A30 | 2CSR255180R1027 | | 0.2 | 1 |
| | | 4 | 305415 | DS201 K4 A30 | 2CSR255180R1047 | | 0.2 | 1 |
| | | 6 | 647614 | DS201 K6 A30 | 2CSR255180R1067 | | 0.2 | 1 |
| | | 8 | 643913 | DS201 K8 A30 | 2CSR255180R1087 | | 0.2 | 1 |
| | | 10 | 587712 | DS201 K10 A30 | 2CSR255180R1107 | | 0.2 | 1 |
| | | 13 | 575917 | DS201 K13 A30 | 2CSR255180R1137 | | 0.2 | 1 |
| | | 16 | 564119 | DS201 K16 A30 | 2CSR255180R1167 | | 0.2 | 1 |
| | | 20 | 586814 | DS201 K20 A30 | 2CSR255180R1207 | | 0.2 | 1 |
| | | 25 | 575016 | DS201 K25 A30 | 2CSR255180R1257 | | 0.2 | 1 |
| | | 32 | 563211 | DS201 K32 A30 | 2CSR255180R1327 | | 0.2 | 1 |
| | | 40 | 775911 | DS201 K40 A30 | 2CSR255180R1407 | | 0.2 | 1 |
| | 300 | 1 | 773719 | DS201 K1 A300 | 2CSR255180R3017 | | 0.2 | 1 |
| | | 2 | 771517 | DS201 K2 A300 | 2CSR255180R3027 | | 0.2 | 1 |
| | | 4 | 587613 | DS201 K4 A300 | 2CSR255180R3047 | | 0.2 | 1 |
| | | 6 | 575818 | DS201 K6 A300 | 2CSR255180R3067 | | 0.2 | 1 |
| | | 8 | 564010 | DS201 K8 A300 | 2CSR255180R3087 | | 0.2 | 1 |
| | | 10 | 586715 | DS201 K10 A300 | 2CSR255180R3107 | | 0.2 | 1 |
| | | 13 | 574910 | DS201 K13 A300 | 2CSR255180R3137 | | 0.2 | 1 |
| | | 16 | 563112 | DS201 K16 A300 | 2CSR255180R3167 | | 0.2 | 1 |
| | | 20 | 775812 | DS201 K20 A300 | 2CSR255180R3207 | | 0.2 | 1 |
| | | 25 | 773610 | DS201 K25 A300 | 2CSR255180R3257 | | 0.2 | 1 |
| | | 32 | 771418 | DS201 K32 A300 | 2CSR255180R3327 | | 0.2 | 1 |
| | | 40 | 587514 | DS201 K40 A300 | 2CSR255180R3407 | | 0.2 | 1 |

RCBOs

DS201T 6000 A type, K characteristics



DS201T

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I\Delta n=30\text{ mA}$).

Application: railway, rolling stock, traction.
Standard: IEC/EN 61009-1; IEC/EN 61009-2-1
 $I_{cn} = 6000\text{ A}$

| No. of poles | Rated residual current $I\Delta n\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---|---------------------------------|---------------------------|----------------|-----------------|------------------|-------------------------|---------------------|
| | | | | Type code | Order code | | | |
| 1P+N | 30 | 6 | 589815 | DS201T K6 A30 | 2CSR255188R1067 | | 0.2 | 1 |
| | | 10 | 578017 | DS201T K10 A30 | 2CSR255188R1107 | | 0.2 | 1 |
| | | 13 | 566212 | DS201T K13 A30 | 2CSR255188R1137 | | 0.2 | 1 |
| | | 16 | 587910 | DS201T K16 A30 | 2CSR255188R1167 | | 0.2 | 1 |
| | | 20 | 576112 | DS201T K20 A30 | 2CSR255188R1207 | | 0.2 | 1 |
| | | 25 | 564317 | DS201T K25 A30 | 2CSR255188R1257 | | 0.2 | 1 |
| | | 32 | 591115 | DS201T K32 A30 | 2CSR255188R1327 | | 0.2 | 1 |
| | | 40 | 579311 | DS201T K40 A30 | 2CSR255188R1407 | | 0.2 | 1 |

RCBOs

DS201 6000 AC  type, B characteristic



DS201

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|-----------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 274315 | DS201 B6 AC30 | 2CSR255080R1065 | | 0.2 | 1 |
| | | 10 | 333913 | DS201 B10 AC30 | 2CSR255080R1105 | | 0.2 | 1 |
| | | 13 | 508014 | DS201 B13 AC30 | 2CSR255080R1135 | | 0.2 | 1 |
| | | 16 | 295815 | DS201 B16 AC30 | 2CSR255080R1165 | | 0.2 | 1 |
| | | 20 | 295617 | DS201 B20 AC30 | 2CSR255080R1205 | | 0.2 | 1 |
| | | 25 | 965213 | DS201 B25 AC30 | 2CSR255080R1255 | | 0.2 | 1 |
| | | 32 | 963011 | DS201 B32 AC30 | 2CSR255080R1325 | | 0.2 | 1 |
| | | 40 | 964919 | DS201 B40 AC30 | 2CSR255080R1405 | | 0.2 | 1 |
| | 100 | 6 | 965114 | DS201 B6 AC100 | 2CSR255080R2065 | | 0.2 | 1 |
| | | 10 | 295716 | DS201 B10 AC100 | 2CSR255080R2105 | | 0.2 | 1 |
| | | 13 | 649410 | DS201 B13 AC100 | 2CSR255080R2135 | | 0.2 | 1 |
| | | 16 | 649311 | DS201 B16 AC100 | 2CSR255080R2165 | | 0.2 | 1 |
| | | 20 | 649212 | DS201 B20 AC100 | 2CSR255080R2205 | | 0.2 | 1 |
| | | 25 | 649113 | DS201 B25 AC100 | 2CSR255080R2255 | | 0.2 | 1 |
| | | 32 | 649519 | DS201 B32 AC100 | 2CSR255080R2325 | | 0.2 | 1 |
| | | 40 | 027911 | DS201 B40 AC100 | 2CSR255080R2405 | | 0.2 | 1 |
| | 300 | 6 | 027812 | DS201 B6 AC300 | 2CSR255080R3065 | | 0.2 | 1 |
| | | 10 | 007210 | DS201 B10 AC300 | 2CSR255080R3105 | | 0.2 | 1 |
| | | 13 | 007111 | DS201 B13 AC300 | 2CSR255080R3135 | | 0.2 | 1 |
| | | 16 | 644118 | DS201 B16 AC300 | 2CSR255080R3165 | | 0.2 | 1 |
| | | 20 | 644019 | DS201 B20 AC300 | 2CSR255080R3205 | | 0.2 | 1 |
| | | 25 | 644316 | DS201 B25 AC300 | 2CSR255080R3255 | | 0.2 | 1 |
| | | 32 | 644217 | DS201 B32 AC300 | 2CSR255080R3325 | | 0.2 | 1 |
| | | 40 | 066019 | DS201 B40 AC300 | 2CSR255080R3405 | | 0.2 | 1 |

RCBOs

DS201 6000 AC type, C characteristic



DS201

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|-----------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 896319 | DS201 C6 AC30 | 2CSR255080R1064 | | 0.2 | 1 |
| | | 10 | 049418 | DS201 C10 AC30 | 2CSR255080R1104 | | 0.2 | 1 |
| | | 13 | 049319 | DS201 C13 AC30 | 2CSR255080R1134 | | 0.2 | 1 |
| | | 16 | 049210 | DS201 C16 AC30 | 2CSR255080R1164 | | 0.2 | 1 |
| | | 20 | 049111 | DS201 C20 AC30 | 2CSR255080R1204 | | 0.2 | 1 |
| | | 25 | 049012 | DS201 C25 AC30 | 2CSR255080R1254 | | 0.2 | 1 |
| | | 32 | 048916 | DS201 C32 AC30 | 2CSR255080R1324 | | 0.2 | 1 |
| | | 40 | 048817 | DS201 C40 AC30 | 2CSR255080R1404 | | 0.2 | 1 |
| | 100 | 6 | 048718 | DS201 C6 AC100 | 2CSR255080R2064 | | 0.2 | 1 |
| | | 10 | 048619 | DS201 C10 AC100 | 2CSR255080R2104 | | 0.2 | 1 |
| | | 13 | 048510 | DS201 C13 AC100 | 2CSR255080R2134 | | 0.2 | 1 |
| | | 16 | 048411 | DS201 C16 AC100 | 2CSR255080R2164 | | 0.2 | 1 |
| | | 20 | 048312 | DS201 C20 AC100 | 2CSR255080R2204 | | 0.2 | 1 |
| | | 25 | 048213 | DS201 C25 AC100 | 2CSR255080R2254 | | 0.2 | 1 |
| | | 32 | 048114 | DS201 C32 AC100 | 2CSR255080R2324 | | 0.2 | 1 |
| | | 40 | 048015 | DS201 C40 AC100 | 2CSR255080R2404 | | 0.2 | 1 |
| | 300 | 6 | 047919 | DS201 C6 AC300 | 2CSR255080R3064 | | 0.2 | 1 |
| | | 10 | 047810 | DS201 C10 AC300 | 2CSR255080R3104 | | 0.2 | 1 |
| | | 13 | 047711 | DS201 C13 AC300 | 2CSR255080R3134 | | 0.2 | 1 |
| | | 16 | 047612 | DS201 C16 AC300 | 2CSR255080R3164 | | 0.2 | 1 |
| | | 20 | 049814 | DS201 C20 AC300 | 2CSR255080R3204 | | 0.2 | 1 |
| | | 25 | 049715 | DS201 C25 AC300 | 2CSR255080R3254 | | 0.2 | 1 |
| | | 32 | 049616 | DS201 C32 AC300 | 2CSR255080R3324 | | 0.2 | 1 |
| | | 40 | 049517 | DS201 C40 AC300 | 2CSR255080R3404 | | 0.2 | 1 |

RCBOs

DS201 6000 APR  type, C characteristic



DS201

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal trade-off between safety and continuity of service thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact ($I\Delta n=30$ mA); protection and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000$ A

| No. of poles | Rated residual current $I\Delta n$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---------------------------------------|-----------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 326212 | DS201 C6 APR30 | 2CSR255480R1064 | | 0.2 | 1 |
| | | 10 | 399612 | DS201 C10 APR30 | 2CSR255480R1104 | | 0.2 | 1 |
| | | 13 | 399711 | DS201 C13 APR30 | 2CSR255480R1134 | | 0.2 | 1 |
| | | 16 | 658917 | DS201 C16 APR30 | 2CSR255480R1164 | | 0.2 | 1 |
| | | 20 | 658412 | DS201 C20 APR30 | 2CSR255480R1204 | | 0.2 | 1 |
| | | 25 | 659914 | DS201 C25 APR30 | 2CSR255480R1254 | | 0.2 | 1 |
| | | 32 | 659419 | DS201 C32 APR30 | 2CSR255480R1324 | | 0.2 | 1 |
| | | 40 | 658610 | DS201 C40 APR30 | 2CSR255480R1404 | | 0.2 | 1 |
| | 100 | 6 | 658115 | DS201 C6 APR100 | 2CSR255480R2064 | | 0.2 | 1 |
| | | 10 | 659617 | DS201 C10 APR100 | 2CSR255480R2104 | | 0.2 | 1 |
| | | 13 | 910916 | DS201 C13 APR100 | 2CSR255480R2134 | | 0.2 | 1 |
| | | 16 | 659112 | DS201 C16 APR100 | 2CSR255480R2164 | | 0.2 | 1 |
| | | 20 | 658719 | DS201 C20 APR100 | 2CSR255480R2204 | | 0.2 | 1 |
| | | 25 | 658214 | DS201 C25 APR100 | 2CSR255480R2254 | | 0.2 | 1 |
| | | 32 | 659716 | DS201 C32 APR100 | 2CSR255480R2324 | | 0.2 | 1 |
| | | 40 | 659211 | DS201 C40 APR100 | 2CSR255480R2404 | | 0.2 | 1 |
| | 300 | 6 | 658818 | DS201 C6 APR300 | 2CSR255480R3064 | | 0.2 | 1 |
| | | 10 | 658313 | DS201 C10 APR300 | 2CSR255480R3104 | | 0.2 | 1 |
| | | 13 | 659815 | DS201 C13 APR300 | 2CSR255480R3134 | | 0.2 | 1 |
| | | 16 | 659310 | DS201 C16 APR300 | 2CSR255480R3164 | | 0.2 | 1 |
| | | 20 | 658511 | DS201 C20 APR300 | 2CSR255480R3204 | | 0.2 | 1 |
| | | 25 | 658016 | DS201 C25 APR300 | 2CSR255480R3254 | | 0.2 | 1 |
| | | 32 | 659518 | DS201 C32 APR300 | 2CSR255480R3324 | | 0.2 | 1 |
| | | 40 | 910817 | DS201 C40 APR300 | 2CSR255480R3404 | | 0.2 | 1 |

RCBOs

DS201T 6000 APR type, C characteristic



DS201T

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal trade-off between safety and continuity of service thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30\text{ mA}$); protection and isolation of resistive and inductive loads.

Application: railway, rolling stock, traction.
Standard: IEC/EN 61009-1; IEC/EN 61009-2-1
 $I_{cn} = 6000\text{ A}$

| No. of poles | Rated residual current $I_{\Delta n}\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---|------------------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1P+N | 30 | 6 | 567516 | DS201T C6 APR30 | 2CSR255488R1064 | | 0.2 | 1 |
| | | 10 | 588610 | DS201T C10 APR30 | 2CSR255488R1104 | | 0.2 | 1 |
| | | 13 | 576815 | DS201T C13 APR30 | 2CSR255488R1134 | | 0.2 | 1 |
| | | 16 | 565017 | DS201T C16 APR30 | 2CSR255488R1164 | | 0.2 | 1 |
| | | 20 | 589716 | DS201T C20 APR30 | 2CSR255488R1204 | | 0.2 | 1 |
| | | 25 | 577911 | DS201T C25 APR30 | 2CSR255488R1254 | | 0.2 | 1 |
| | | 32 | 566113 | DS201T C32 APR30 | 2CSR255488R1324 | | 0.2 | 1 |
| | | 40 | 591016 | DS201T C40 APR30 | 2CSR255488R1404 | | 0.2 | 1 |

RCBOs

DS201 M 10000 A  type, B characteristic



DS201 M

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 10 | 574613 | DS201 M B10 A10 | 2CSR275180R0105 | | 0.2 | 1 |
| | | 16 | 562818 | DS201 M B16 A10 | 2CSR275180R0165 | | 0.2 | 1 |
| | 30 | 6 | 775515 | DS201 M B6 A30 | 2CSR275180R1065 | | 0.2 | 1 |
| | | 10 | 773313 | DS201 M B10 A30 | 2CSR275180R1105 | | 0.2 | 1 |
| | | 13 | 771111 | DS201 M B13 A30 | 2CSR275180R1135 | | 0.2 | 1 |
| | | 16 | 587217 | DS201 M B16 A30 | 2CSR275180R1165 | | 0.2 | 1 |
| | | 20 | 575412 | DS201 M B20 A30 | 2CSR275180R1205 | | 0.2 | 1 |
| | | 25 | 563617 | DS201 M B25 A30 | 2CSR275180R1255 | | 0.2 | 1 |
| | | 32 | 586319 | DS201 M B32 A30 | 2CSR275180R1325 | | 0.2 | 1 |
| | | 40 | 574514 | DS201 M B40 A30 | 2CSR275180R1405 | | 0.2 | 1 |
| | 100 | 6 | 562719 | DS201 M B6 A100 | 2CSR275180R2065 | | 0.2 | 1 |
| | | 10 | 775416 | DS201 M B10 A100 | 2CSR275180R2105 | | 0.2 | 1 |
| | | 13 | 773214 | DS201 M B13 A100 | 2CSR275180R2135 | | 0.2 | 1 |
| | | 16 | 771012 | DS201 M B16 A100 | 2CSR275180R2165 | | 0.2 | 1 |
| | | 20 | 587118 | DS201 M B20 A100 | 2CSR275180R2205 | | 0.2 | 1 |
| | | 25 | 575313 | DS201 M B25 A100 | 2CSR275180R2255 | | 0.2 | 1 |
| | | 32 | 563518 | DS201 M B32 A100 | 2CSR275180R2325 | | 0.2 | 1 |
| | | 40 | 586210 | DS201 M B40 A100 | 2CSR275180R2405 | | 0.2 | 1 |
| | 300 | 6 | 574415 | DS201 M B6 A300 | 2CSR275180R3065 | | 0.2 | 1 |
| | | 10 | 562610 | DS201 M B10 A300 | 2CSR275180R3105 | | 0.2 | 1 |
| | | 13 | 775317 | DS201 M B13 A300 | 2CSR275180R3135 | | 0.2 | 1 |
| | | 16 | 773115 | DS201 M B16 A300 | 2CSR275180R3165 | | 0.2 | 1 |
| | | 20 | 770916 | DS201 M B20 A300 | 2CSR275180R3205 | | 0.2 | 1 |
| | | 25 | 587019 | DS201 M B25 A300 | 2CSR275180R3255 | | 0.2 | 1 |
| | | 32 | 575214 | DS201 M B32 A300 | 2CSR275180R3325 | | 0.2 | 1 |
| | | 40 | 563419 | DS201 M B40 A300 | 2CSR275180R3405 | | 0.2 | 1 |

RCBOs

DS201 M 10000 A  type, C characteristic



DS201 M

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 10 | 594116 | DS201 M C10 A10 | 2CSR275180R0104 | | 0.2 | 1 |
| | | 16 | 582311 | DS201 M C16 A10 | 2CSR275180R0164 | | 0.2 | 1 |
| | 30 | 4 | 570516 | DS201 M C4 A30 | 2CSR275180R1044 | | 0.2 | 1 |
| | | 6 | 595410 | DS201 M C6 A30 | 2CSR275180R1064 | | 0.2 | 1 |
| | | 10 | 583615 | DS201 M C10 A30 | 2CSR275180R1104 | | 0.2 | 1 |
| | | 13 | 571810 | DS201 M C13 A30 | 2CSR275180R1134 | | 0.2 | 1 |
| | | 16 | 592815 | DS201 M C16 A30 | 2CSR275180R1164 | | 0.2 | 1 |
| | | 20 | 581017 | DS201 M C20 A30 | 2CSR275180R1204 | | 0.2 | 1 |
| | | 25 | 569213 | DS201 M C25 A30 | 2CSR275180R1254 | | 0.2 | 1 |
| | | 32 | 594017 | DS201 M C32 A30 | 2CSR275180R1324 | | 0.2 | 1 |
| | | 40 | 582212 | DS201 M C40 A30 | 2CSR275180R1404 | | 0.2 | 1 |
| | | 6 | 570417 | DS201 M C6 A100 | 2CSR275180R2064 | | 0.2 | 1 |
| | 100 | 10 | 595311 | DS201 M C10 A100 | 2CSR275180R2104 | | 0.2 | 1 |
| | | 16 | 583516 | DS201 M C16 A100 | 2CSR275180R2164 | | 0.2 | 1 |
| | | 20 | 571711 | DS201 M C20 A100 | 2CSR275180R2204 | | 0.2 | 1 |
| | | 25 | 593911 | DS201 M C25 A100 | 2CSR275180R2254 | | 0.2 | 1 |
| | | 32 | 582113 | DS201 M C32 A100 | 2CSR275180R2324 | | 0.2 | 1 |
| | | 40 | 570318 | DS201 M C40 A100 | 2CSR275180R2404 | | 0.2 | 1 |
| | | 6 | 595212 | DS201 M C6 A300 | 2CSR275180R3064 | | 0.2 | 1 |
| | | 10 | 583417 | DS201 M C10 A300 | 2CSR275180R3104 | | 0.2 | 1 |
| | | 13 | 571612 | DS201 M C13 A300 | 2CSR275180R3134 | | 0.2 | 1 |
| | | 16 | 592716 | DS201 M C16 A300 | 2CSR275180R3164 | | 0.2 | 1 |
| | 300 | 20 | 580911 | DS201 M C20 A300 | 2CSR275180R3204 | | 0.2 | 1 |
| | | 25 | 569114 | DS201 M C25 A300 | 2CSR275180R3254 | | 0.2 | 1 |
| | | 32 | 593812 | DS201 M C32 A300 | 2CSR275180R3324 | | 0.2 | 1 |
| | | 40 | 582014 | DS201 M C40 A300 | 2CSR275180R3404 | | 0.2 | 1 |

RCBOs

DS201 M 10000 A type, K characteristic



DS201 M

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

Icn = 10000 A

| No. of poles | Rated residual current IΔn mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|-------------------------------|--------------------|-----------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 1+N | 100 | 6 | 568919 | DS201 M K6 A100 | 2CSR275180R2067 | | 0.2 | 1 |
| | | 10 | 593515 | DS201 M K10 A100 | 2CSR275180R2107 | | 0.2 | 1 |
| | | 13 | 581710 | DS201 M K13 A100 | 2CSR275180R2137 | | 0.2 | 1 |
| | | 16 | 569916 | DS201 M K16 A100 | 2CSR275180R2167 | | 0.2 | 1 |
| | | 20 | 594819 | DS201 M K20 A100 | 2CSR275180R2207 | | 0.2 | 1 |
| | | 25 | 583011 | DS201 M K25 A100 | 2CSR275180R2257 | | 0.2 | 1 |
| | | 32 | 571216 | DS201 M K32 A100 | 2CSR275180R2327 | | 0.2 | 1 |
| | | 40 | 593416 | DS201 M K40 A100 | 2CSR275180R2407 | | 0.2 | 1 |

RCBOs

DS201 M 10000 AC type, B characteristic



DS201 M

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 575719 | DS201 M B6 AC30 | 2CSR275080R1065 | | 0.2 | 1 |
| | | 10 | 563914 | DS201 M B10 AC30 | 2CSR275080R1105 | | 0.2 | 1 |
| | | 13 | 586616 | DS201 M B13 AC30 | 2CSR275080R1135 | | 0.2 | 1 |
| | | 16 | 574811 | DS201 M B16 AC30 | 2CSR275080R1165 | | 0.2 | 1 |
| | | 20 | 563013 | DS201 M B20 AC30 | 2CSR275080R1205 | | 0.2 | 1 |
| | | 25 | 775713 | DS201 M B25 AC30 | 2CSR275080R1255 | | 0.2 | 1 |
| | | 32 | 773511 | DS201 M B32 AC30 | 2CSR275080R1325 | | 0.2 | 1 |
| | | 40 | 771319 | DS201 M B40 AC30 | 2CSR275080R1405 | | 0.2 | 1 |
| | 100 | 6 | 775010 | DS201 M B6 AC100 | 2CSR275080R2065 | | 0.2 | 1 |
| | | 10 | 772811 | DS201 M B10 AC100 | 2CSR275080R2105 | | 0.2 | 1 |
| | | 13 | 770619 | DS201 M B13 AC100 | 2CSR275080R2135 | | 0.2 | 1 |
| | | 16 | 587415 | DS201 M B16 AC100 | 2CSR275080R2165 | | 0.2 | 1 |
| | | 20 | 575610 | DS201 M B20 AC100 | 2CSR275080R2205 | | 0.2 | 1 |
| | | 25 | 563815 | DS201 M B25 AC100 | 2CSR275080R2255 | | 0.2 | 1 |
| | | 32 | 586517 | DS201 M B32 AC100 | 2CSR275080R2325 | | 0.2 | 1 |
| | | 40 | 574712 | DS201 M B40 AC100 | 2CSR275080R2405 | | 0.2 | 1 |
| | 300 | 6 | 562917 | DS201 M B6 AC300 | 2CSR275080R3065 | | 0.2 | 1 |
| | | 10 | 775614 | DS201 M B10 AC300 | 2CSR275080R3105 | | 0.2 | 1 |
| | | 13 | 773412 | DS201 M B13 AC300 | 2CSR275080R3135 | | 0.2 | 1 |
| | | 16 | 771210 | DS201 M B16 AC300 | 2CSR275080R3165 | | 0.2 | 1 |
| | | 20 | 587316 | DS201 M B20 AC300 | 2CSR275080R3205 | | 0.2 | 1 |
| | | 25 | 575511 | DS201 M B25 AC300 | 2CSR275080R3255 | | 0.2 | 1 |
| | | 32 | 563716 | DS201 M B32 AC300 | 2CSR275080R3325 | | 0.2 | 1 |
| | | 40 | 586418 | DS201 M B40 AC300 | 2CSR275080R3405 | | 0.2 | 1 |

RCBOs

DS201 M 10000 AC type, C characteristic



DS201 M

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10000$ A

| No. of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 586111 | DS201 M C6 AC30 | 2CSR275080R1064 | | 0.2 | 1 |
| | | 10 | 574316 | DS201 M C10 AC30 | 2CSR275080R1104 | | 0.2 | 1 |
| | | 13 | 562511 | DS201 M C13 AC30 | 2CSR275080R1134 | | 0.2 | 1 |
| | | 16 | 775218 | DS201 M C16 AC30 | 2CSR275080R1164 | | 0.2 | 1 |
| | | 20 | 773016 | DS201 M C20 AC30 | 2CSR275080R1204 | | 0.2 | 1 |
| | | 25 | 770817 | DS201 M C25 AC30 | 2CSR275080R1254 | | 0.2 | 1 |
| | | 32 | 910015 | DS201 M C32 AC30 | 2CSR275080R1324 | | 0.2 | 1 |
| | | 40 | 909811 | DS201 M C40 AC30 | 2CSR275080R1404 | | 0.2 | 1 |
| | 100 | 6 | 909613 | DS201 M C6 AC100 | 2CSR275080R2064 | | 0.2 | 1 |
| | | 10 | 587811 | DS201 M C10 AC100 | 2CSR275080R2104 | | 0.2 | 1 |
| | | 13 | 576013 | DS201 M C13 AC100 | 2CSR275080R2134 | | 0.2 | 1 |
| | | 16 | 564218 | DS201 M C16 AC100 | 2CSR275080R2164 | | 0.2 | 1 |
| | | 20 | 586913 | DS201 M C20 AC100 | 2CSR275080R2204 | | 0.2 | 1 |
| | | 25 | 575115 | DS201 M C25 AC100 | 2CSR275080R2254 | | 0.2 | 1 |
| | | 32 | 563310 | DS201 M C32 AC100 | 2CSR275080R2324 | | 0.2 | 1 |
| | | 40 | 586012 | DS201 M C40 AC100 | 2CSR275080R2404 | | 0.2 | 1 |
| | 300 | 6 | 574217 | DS201 M C6 AC300 | 2CSR275080R3064 | | 0.2 | 1 |
| | | 10 | 562412 | DS201 M C10 AC300 | 2CSR275080R3104 | | 0.2 | 1 |
| | | 13 | 775119 | DS201 M C13 AC300 | 2CSR275080R3134 | | 0.2 | 1 |
| | | 16 | 772910 | DS201 M C16 AC300 | 2CSR275080R3164 | | 0.2 | 1 |
| | | 20 | 770718 | DS201 M C20 AC300 | 2CSR275080R3204 | | 0.2 | 1 |
| | | 25 | 774914 | DS201 M C25 AC300 | 2CSR275080R3254 | | 0.2 | 1 |
| | | 32 | 772712 | DS201 M C32 AC300 | 2CSR275080R3324 | | 0.2 | 1 |
| | | 40 | 770510 | DS201 M C40 AC300 | 2CSR275080R3404 | | 0.2 | 1 |

RCBOs

DS201 M 10000 APR  type, C characteristic



DS201 M

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal compromise between safety and continuity of service, thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact ($I\Delta n=30$ mA); protection and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10000$ A

| No. of poles | Rated residual current $I\Delta n$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---------------------------------------|-----------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 570219 | DS201 M C6 APR30 | 2CSR275480R1064 | | 0.2 | 1 |
| | | 10 | 591917 | DS201 M C10 APR30 | 2CSR275480R1104 | | 0.2 | 1 |
| | | 13 | 580119 | DS201 M C13 APR30 | 2CSR275480R1134 | | 0.2 | 1 |
| | | 16 | 568315 | DS201 M C16 APR30 | 2CSR275480R1164 | | 0.2 | 1 |
| | | 20 | 595113 | DS201 M C20 APR30 | 2CSR275480R1204 | | 0.2 | 1 |
| | | 25 | 583318 | DS201 M C25 APR30 | 2CSR275480R1254 | | 0.2 | 1 |
| | | 32 | 571513 | DS201 M C32 APR30 | 2CSR275480R1324 | | 0.2 | 1 |
| | | 40 | 592617 | DS201 M C40 APR30 | 2CSR275480R1404 | | 0.2 | 1 |
| | 100 | 6 | 580812 | DS201 M C6 APR100 | 2CSR275480R2064 | | 0.2 | 1 |
| | | 10 | 569015 | DS201 M C10 APR100 | 2CSR275480R2104 | | 0.2 | 1 |
| | | 13 | 593713 | DS201 M C13 APR100 | 2CSR275480R2134 | | 0.2 | 1 |
| | | 16 | 581918 | DS201 M C16 APR100 | 2CSR275480R2164 | | 0.2 | 1 |
| | | 20 | 570110 | DS201 M C20 APR100 | 2CSR275480R2204 | | 0.2 | 1 |
| | | 25 | 595014 | DS201 M C25 APR100 | 2CSR275480R2254 | | 0.2 | 1 |
| | | 32 | 583219 | DS201 M C32 APR100 | 2CSR275480R2324 | | 0.2 | 1 |
| | | 40 | 571414 | DS201 M C40 APR100 | 2CSR275480R2404 | | 0.2 | 1 |
| | 300 | 6 | 593614 | DS201 M C6 APR300 | 2CSR275480R3064 | | 0.2 | 1 |
| | | 10 | 581819 | DS201 M C10 APR300 | 2CSR275480R3104 | | 0.2 | 1 |
| | | 13 | 570011 | DS201 M C13 APR300 | 2CSR275480R3134 | | 0.2 | 1 |
| | | 16 | 594918 | DS201 M C16 APR300 | 2CSR275480R3164 | | 0.2 | 1 |
| | | 20 | 583110 | DS201 M C20 APR300 | 2CSR275480R3204 | | 0.2 | 1 |
| | | 25 | 571315 | DS201 M C25 APR300 | 2CSR275480R3254 | | 0.2 | 1 |
| | | 32 | 592518 | DS201 M C32 APR300 | 2CSR275480R3324 | | 0.2 | 1 |
| | | 40 | 580713 | DS201 M C40 APR300 | 2CSR275480R3404 | | 0.2 | 1 |

RCBOs

DS201T 6000 APR  type, B characteristic



DS201T

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal compromise between safety and continuity of service, thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact ($I\Delta n=30$ mA); protection and isolation of resistive and inductive loads.

Application: railway, rolling stock, traction.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000$ A

| No. of poles | Rated residual current $I\Delta n$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|---------------------------------------|-----------------------|--------------------|------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 1P+N | 30 | 6 | 579212 | DS201T B6 APR30 | 2CSR255488R1065 | | 0.2 | 1 |
| | | 10 | 567417 | DS201T B10 APR30 | 2CSR255488R1105 | | 0.2 | 1 |
| | | 13 | 589617 | DS201T B13 APR30 | 2CSR255488R1135 | | 0.2 | 1 |
| | | 16 | 577812 | DS201T B16 APR30 | 2CSR255488R1165 | | 0.2 | 1 |
| | | 20 | 566014 | DS201T B20 APR30 | 2CSR255488R1205 | | 0.2 | 1 |
| | | 25 | 590910 | DS201T B25 APR30 | 2CSR255488R1255 | | 0.2 | 1 |
| | | 32 | 579113 | DS201T B32 APR30 | 2CSR255488R1325 | | 0.2 | 1 |
| | | 40 | 567318 | DS201T B40 APR30 | 2CSR255488R1405 | | 0.2 | 1 |

RCBOs

DS201 M 10000 F type, B characteristic



DS201 M

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30\text{ mA}$). Specifically suitable for the protection of lines supplying single phase inverters.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1; IEC/EN 62423

$I_{cn} = 10000\text{ A}$

| No. of poles | Rated residual current $I_{\Delta n}\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|---------------------------------|--------------------|-----------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 10 | 569411 | DS201 M B10 F10 | 2CSR275580R0105 | | 0.2 | 1 |
| | | 13 | 594314 | DS201 M B13 F10 | 2CSR275580R0135 | | 0.2 | 1 |
| | | 16 | 582519 | DS201 M B16 F10 | 2CSR275580R0165 | | 0.2 | 1 |
| | 300 | 6 | 594413 | DS201 M B6 F30 | 2CSR275580R1065 | | 0.2 | 1 |
| | | 10 | 582618 | DS201 M B10 F30 | 2CSR275580R1105 | | 0.2 | 1 |
| | | 13 | 570813 | DS201 M B13 F30 | 2CSR275580R1135 | | 0.2 | 1 |
| | | 16 | 595717 | DS201 M B16 F30 | 2CSR275580R1165 | | 0.2 | 1 |
| | | 20 | 583912 | DS201 M B20 F30 | 2CSR275580R1205 | | 0.2 | 1 |
| | | 25 | 572114 | DS201 M B25 F30 | 2CSR275580R1255 | | 0.2 | 1 |
| | | 32 | 592112 | DS201 M B32 F30 | 2CSR275580R1325 | | 0.2 | 1 |
| | | 40 | 580317 | DS201 M B40 F30 | 2CSR275580R1405 | | 0.2 | 1 |

DS201 M 10000 F type, C characteristic



DS201 M

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30\text{ mA}$). Specifically suitable for the protection of lines supplying single phase inverters.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1; IEC/EN 62423

$I_{cn} = 10000\text{ A}$

| No. of poles | Rated residual current $I_{\Delta n}\text{ mA}$ | Rated current $I_n\text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|--------------|--|---------------------------------|--------------------|-----------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 1+N | 10 | 10 | 568513 | DS201 M C10 F10 | 2CSR275580R0104 | | 0.2 | 1 |
| | | 13 | 593010 | DS201 M C13 F10 | 2CSR275580R0134 | | 0.2 | 1 |
| | | 16 | 581215 | DS201 M C16 F10 | 2CSR275580R0164 | | 0.2 | 1 |
| | 300 | 6 | 580416 | DS201 M C6 F30 | 2CSR275580R1064 | | 0.2 | 1 |
| | | 10 | 568612 | DS201 M C10 F30 | 2CSR275580R1104 | | 0.2 | 1 |
| | | 13 | 595816 | DS201 M C13 F30 | 2CSR275580R1134 | | 0.2 | 1 |
| | | 16 | 584018 | DS201 M C16 F30 | 2CSR275580R1164 | | 0.2 | 1 |
| | | 20 | 572213 | DS201 M C20 F30 | 2CSR275580R1204 | | 0.2 | 1 |
| | | 25 | 593119 | DS201 M C25 F30 | 2CSR275580R1254 | | 0.2 | 1 |
| | | 32 | 581314 | DS201 M C32 F30 | 2CSR275580R1324 | | 0.2 | 1 |
| | | 40 | 569510 | DS201 M C40 F30 | 2CSR275580R1404 | | 0.2 | 1 |

RCBOs

DS201 M 110V 10000 A  type, B characteristic



DS201 M 110V

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I\Delta n = 30 \text{ mA}$).


This particular series of devices has the minimum operating voltage of test button of 110 V and it is suitable for 230 V applications.

Application: residential, commercial, industrial.

Standard: IEC 61009-1; IEC 61009-2-1

$I_{cn} = 10000 \text{ A}$

| No. of poles | Rated residual current $I\Delta n \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|--------------|---|-------------------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 582410 | DS201 M B6 A30 110V | 2CSR275189R1065 | 0.2 | 1 | 1 |
| | | 10 | 570615 | DS201 M B10 A30 110V | 2CSR275189R1105 | 0.2 | 1 | 1 |
| | | 13 | 592013 | DS201 M B13 A30 110V | 2CSR275189R1135 | 0.2 | 1 | 1 |
| | | 16 | 580218 | DS201 M B16 A30 110V | 2CSR275189R1165 | 0.2 | 1 | 1 |
| | | 20 | 568414 | DS201 M B20 A30 110V | 2CSR275189R1205 | 0.2 | 1 | 1 |
| | | 25 | 595519 | DS201 M B25 A30 110V | 2CSR275189R1255 | 0.2 | 1 | 1 |
| | | 32 | 583714 | DS201 M B32 A30 110V | 2CSR275189R1325 | 0.2 | 1 | 1 |
| | | 40 | 571919 | DS201 M B40 A30 110V | 2CSR275189R1405 | 0.2 | 1 | 1 |

DS201 M 110V 10000 A  type, C characteristic



DS201 M 110V

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I\Delta n = 30 \text{ mA}$).

This particular series of devices has the minimum operating voltage of test button of 110 V and it is suitable for 230 V applications.

Application: residential, commercial, industrial.

Standard: IEC 61009-1; IEC 61009-2-1

$I_{cn} = 10000 \text{ A}$

| No. of poles | Rated residual current $I\Delta n \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|--------------|---|-------------------------------|--------------------|----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 1+N | 30 | 6 | 570714 | DS201 M C6 A30 110V | 2CSR275189R1064 | 0.2 | 1 | 1 |
| | | 10 | 595618 | DS201 M C10 A30 110V | 2CSR275189R1104 | 0.2 | 1 | 1 |
| | | 13 | 583813 | DS201 M C13 A30 110V | 2CSR275189R1134 | 0.2 | 1 | 1 |
| | | 16 | 572015 | DS201 M C16 A30 110V | 2CSR275189R1164 | 0.2 | 1 | 1 |
| | | 20 | 592914 | DS201 M C20 A30 110V | 2CSR275189R1204 | 0.2 | 1 | 1 |
| | | 25 | 581116 | DS201 M C25 A30 110V | 2CSR275189R1254 | 0.2 | 1 | 1 |
| | | 32 | 569312 | DS201 M C32 A30 110V | 2CSR275189R1324 | 0.2 | 1 | 1 |
| | | 40 | 594215 | DS201 M C40 A30 110V | 2CSR275189R1404 | 0.2 | 1 | 1 |

RCBOs

DS202C technical features

| | | | DS202C | DS202C M | DS202C M | DS202C M 110V |
|-------------------------------------|--|---------------------------------|----------------------------------|--|---------------------------|----------------------------|
| Standards | | | IEC/EN 61009-1; IEC/EN 61009-2-1 | | | IEC 61009-1; IEC 61009-2-1 |
| Electrical features | Type (wave form of the earth leakage sensed) | | A | A | APR | A |
| | Poles | | 2P | 2P | 2P | 2P |
| | Rated current I_n | | A | $6 \leq I_n \leq 32$ | $6 \leq I_n \leq 32$ | $6 \leq I_n \leq 32$ |
| | Rated sensitivity ΔI_n | | A | 0.03-0.3 | 0.01-0.03-0.3 | 0.03 |
| | Rated voltage U_e | | V | 230-240 | 230-240 | 230-240 |
| | Insulation voltage U_i | | V | 500 | 500 | 500 |
| | Operating voltage of circuit test U_t | | V | 110 (170 for 30 mA) - 254 | 110 (170 for 30 mA) - 254 | 110 (170 for 30 mA) - 254 |
| | Rated frequency | | Hz | 50...60 | 50...60 | 50...60 |
| | Rated breaking capacity acc. to IEC/EN 61009 | | A | 6000 | 10000 | 10000 |
| | Rated breaking capacity acc. to IEC/EN 60947-2 | | kA | 10 | 10 | 10 |
| | 2P @230 VAC | service I_{cs} | kA | 6 | 7.5 | 7.5 |
| | Rated residual breaking capacity $I_{\Delta m}$ | | kA | 6 | 6 | 6 |
| | Rated impulse withstand voltage (1.2/50) U_{imp} | | kV | 4 | 4 | 4 |
| | Dielectric test voltage at ind. freq. for 1 min. | | kV | 2.5 | 2.5 | 2.5 |
| | Thermomagnetic release characteristic | B: $3 I_n \leq I_m \leq 5 I_n$ | ■ | ■ | ■ | |
| | | C: $5 I_n \leq I_m \leq 10 I_n$ | ■ | ■ | ■ | ■ |
| Mechanical features | Surge current resistance (wave 8/20) | | A | NA for A, AC versions; 3000 for APR version | | |
| | Toggle | | | black sealable in ON-OFF position | | |
| | Flag indicators | | | differential trip indicator (blue) | | |
| | | | | contact position indicator (green/red) | | |
| | Electrical life | | | 10000 | 10000 | 10000 |
| | Mechanical life | | | 20000 | 20000 | 20000 |
| | Protection degree | housing | IP4X | IP4X | IP4X | IP4X |
| | | terminals | IP2X | IP2X | IP2X | IP2X |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | °C/RH | 28 cycles with 55°C/90-96% and 25°C/95-100% | | |
| | Reference temperature for setting of thermal element | | °C | 30 | 30 | 30 |
| | Ambient temperature (with daily average $\leq +35$ °C) | | °C | -25...+55 | -25...+55 | -25...+55 |
| | Storage temperature | | °C | -40...+70 | -40...+70 | -40...+70 |
| Installation | Terminal type | top | | failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected) | | |
| | | bottom | | failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected) | | |
| | Terminal size top/bottom for cables | | mm ² | 25/25 | 25/25 | 25/25 |
| | Terminal size top/bottom for busbar | | mm ² | 10/10 | 10/10 | 10/10 |
| | Tightening torque top/bottom | | Nm | 2.8 | 2.8 | 2.8 |
| | Mounting | | | on DIN rail EN 60715 (35mm) by means of fast clip device | | |
| | Mounting position | | | Any | Any | Any |
| | Connection | | | from top and bottom | from top and bottom | from top and bottom |
| Dimensions and weight | Dimensions (H x D x W) | | mm | 85 x 69 x 35 | 85 x 69 x 35 | 85 x 69 x 35 |
| | Weight | | g | 239 | 239 | 239 |
| Combination with auxiliary elements | Combinable with: | auxiliary contact | yes | yes | yes | yes |
| | | signal contact | yes | yes | yes | yes |
| | | shunt trip | yes | yes | yes | yes |
| | | undervoltage release | yes | yes | yes | yes |

RCBOs

DS202C series 6000 A  type, B characteristic



DS202C

DS202C A type, B characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\ 000\ A$

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-----------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 132257 | DS202C B6 A30 | 2CSR252140R1065 | | 0.240 | 5 |
| | | 10 | 132356 | DS202C B10 A30 | 2CSR252140R1105 | | 0.240 | 5 |
| | | 13 | 132455 | DS202C B13 A30 | 2CSR252140R1135 | | 0.240 | 5 |
| | | 16 | 132554 | DS202C B16 A30 | 2CSR252140R1165 | | 0.240 | 5 |
| | | 20 | 132653 | DS202C B20 A30 | 2CSR252140R1205 | | 0.240 | 5 |
| | | 25 | 132752 | DS202C B25 A30 | 2CSR252140R1255 | | 0.240 | 5 |
| | | 32 | 132851 | DS202C B32 A30 | 2CSR252140R1325 | | 0.240 | 5 |
| | 300 | 6 | 132950 | DS202C B6 A300 | 2CSR252140R3065 | | 0.240 | 5 |
| | | 10 | 133056 | DS202C B10 A300 | 2CSR252140R3105 | | 0.240 | 5 |
| | | 13 | 133155 | DS202C B13 A300 | 2CSR252140R3135 | | 0.240 | 5 |
| | | 16 | 133254 | DS202C B16 A300 | 2CSR252140R3165 | | 0.240 | 5 |
| | | 20 | 133353 | DS202C B20 A300 | 2CSR252140R3205 | | 0.240 | 5 |
| | | 25 | 133452 | DS202C B25 A300 | 2CSR252140R3255 | | 0.240 | 5 |
| | | 32 | 133551 | DS202C B32 A300 | 2CSR252140R3325 | | 0.240 | 5 |

RCBOs

DS202C series 6000 A type, C characteristic



DS202C

DS202C A type, C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000$ A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-----------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 122357 | DS202C C6 A30 | 2CSR252140R1064 | | 0.240 | 5 |
| | | 10 | 122456 | DS202C C10 A30 | 2CSR252140R1104 | | 0.240 | 5 |
| | | 13 | 122555 | DS202C C13 A30 | 2CSR252140R1134 | | 0.240 | 5 |
| | | 16 | 122654 | DS202C C16 A30 | 2CSR252140R1164 | | 0.240 | 5 |
| | | 20 | 122753 | DS202C C20 A30 | 2CSR252140R1204 | | 0.240 | 5 |
| | | 25 | 122852 | DS202C C25 A30 | 2CSR252140R1254 | | 0.240 | 5 |
| | | 32 | 122951 | DS202C C32 A30 | 2CSR252140R1324 | | 0.240 | 5 |
| | 300 | 6 | 123057 | DS202C C6 A300 | 2CSR252140R3064 | | 0.240 | 5 |
| | | 10 | 123156 | DS202C C10 A300 | 2CSR252140R3104 | | 0.240 | 5 |
| | | 13 | 123255 | DS202C C13 A300 | 2CSR252140R3134 | | 0.240 | 5 |
| | | 16 | 123354 | DS202C C16 A300 | 2CSR252140R3164 | | 0.240 | 5 |
| | | 20 | 123453 | DS202C C20 A300 | 2CSR252140R3204 | | 0.240 | 5 |
| | | 25 | 123552 | DS202C C25 A300 | 2CSR252140R3254 | | 0.240 | 5 |
| | | 32 | 123651 | DS202C C32 A300 | 2CSR252140R3324 | | 0.240 | 5 |

RCBOs

DS202C M series 10000 A  type, B characteristic



DS202C M

DS202C M A type, B characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10\,000$ A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 10 | 10 | 124856 | DS202C M B10 A10 | 2CSR272140R0105 | | 0.240 | 5 |
| | | 13 | 117759 | DS202C M B13 A10 | 2CSR272140R0135 | | 0.240 | 5 |
| | | 16 | 117858 | DS202C M B16 A10 | 2CSR272140R0165 | | 0.240 | 5 |
| | 30 | 6 | 118152 | DS202C M B6 A30 | 2CSR272140R1065 | | 0.240 | 5 |
| | | 10 | 118251 | DS202C M B10 A30 | 2CSR272140R1105 | | 0.240 | 5 |
| | | 13 | 118350 | DS202C M B13 A30 | 2CSR272140R1135 | | 0.240 | 5 |
| | | 16 | 118459 | DS202C M B16 A30 | 2CSR272140R1165 | | 0.240 | 5 |
| | | 20 | 118558 | DS202C M B20 A30 | 2CSR272140R1205 | | 0.240 | 5 |
| | | 25 | 118657 | DS202C M B25 A30 | 2CSR272140R1255 | | 0.240 | 5 |
| | | 32 | 118756 | DS202C M B32 A30 | 2CSR272140R1325 | | 0.240 | 5 |
| | 300 | 6 | 119555 | DS202C M B6 A300 | 2CSR272140R3065 | | 0.240 | 5 |
| | | 10 | 119654 | DS202C M B10 A300 | 2CSR272140R3105 | | 0.240 | 5 |
| | | 13 | 119753 | DS202C M B13 A300 | 2CSR272140R3135 | | 0.240 | 5 |
| | | 16 | 119852 | DS202C M B16 A300 | 2CSR272140R3165 | | 0.240 | 5 |
| | | 20 | 119951 | DS202C M B20 A300 | 2CSR272140R3205 | | 0.240 | 5 |
| | | 25 | 120056 | DS202C M B25 A300 | 2CSR272140R3255 | | 0.240 | 5 |
| | | 32 | 120155 | DS202C M B32 A300 | 2CSR272140R3325 | | 0.240 | 5 |

RCBOs

DS202C M series 10000 A  type, C characteristic



DS202C M

DS202C M A type, C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10\,000$ A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|-------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 10 | 13 | 117957 | DS202C M C13 A10 | 2CSR272140R0134 | | 0.240 | 5 |
| | | 16 | 118053 | DS202C M C16 A10 | 2CSR272140R0164 | | 0.240 | 5 |
| | 30 | 6 | 118855 | DS202C M C6 A30 | 2CSR272140R1064 | | 0.240 | 5 |
| | | 10 | 118954 | DS202C M C10 A30 | 2CSR272140R1104 | | 0.240 | 5 |
| | | 13 | 119050 | DS202C M C13 A30 | 2CSR272140R1134 | | 0.240 | 5 |
| | | 16 | 119159 | DS202C M C16 A30 | 2CSR272140R1164 | | 0.240 | 5 |
| | | 20 | 119258 | DS202C M C20 A30 | 2CSR272140R1204 | | 0.240 | 5 |
| | | 25 | 119357 | DS202C M C25 A30 | 2CSR272140R1254 | | 0.240 | 5 |
| | | 32 | 119456 | DS202C M C32 A30 | 2CSR272140R1324 | | 0.240 | 5 |
| | 300 | 6 | 120254 | DS202C M C6 A300 | 2CSR272140R3064 | | 0.240 | 5 |
| | | 10 | 120353 | DS202C M C10 A300 | 2CSR272140R3104 | | 0.240 | 5 |
| | | 13 | 120452 | DS202C M C13 A300 | 2CSR272140R3134 | | 0.240 | 5 |
| | | 16 | 120551 | DS202C M C16 A300 | 2CSR272140R3164 | | 0.240 | 5 |
| | | 20 | 120650 | DS202C M C20 A300 | 2CSR272140R3204 | | 0.240 | 5 |
| | | 25 | 120759 | DS202C M C25 A300 | 2CSR272140R3254 | | 0.240 | 5 |
| | | 32 | 120858 | DS202C M C32 A300 | 2CSR272140R3324 | | 0.240 | 5 |

RCBOs

DS202C M series 10000 A  APR type, B characteristic



DS202C M

DS202C M APR type, B characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10\ 000$ A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|---------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 120957 | DS202C M B6 APR30 | 2CSR272440R1065 | | 0.240 | 5 |
| | | 10 | 121053 | DS202C M B10 APR30 | 2CSR272440R1105 | | 0.240 | 5 |
| | | 13 | 121152 | DS202C M B13 APR30 | 2CSR272440R1135 | | 0.240 | 5 |
| | | 16 | 121251 | DS202C M B16 APR30 | 2CSR272440R1165 | | 0.240 | 5 |
| | | 20 | 121350 | DS202C M B20 APR30 | 2CSR272440R1205 | | 0.240 | 5 |
| | | 25 | 121459 | DS202C M B25 APR30 | 2CSR272440R1255 | | 0.240 | 5 |
| | | 32 | 121558 | DS202C M B32 APR30 | 2CSR272440R1325 | | 0.240 | 5 |
| | 300 | 6 | 124955 | DS202C M B6 APR300 | 2CSR272440R3065 | | 0.240 | 5 |
| | | 10 | 125051 | DS202C M B10 APR300 | 2CSR272440R3105 | | 0.240 | 5 |
| | | 13 | 125150 | DS202C M B13 APR300 | 2CSR272440R3135 | | 0.240 | 5 |
| | | 16 | 125259 | DS202C M B16 APR300 | 2CSR272440R3165 | | 0.240 | 5 |
| | | 20 | 125358 | DS202C M B20 APR300 | 2CSR272440R3205 | | 0.240 | 5 |
| | | 25 | 125457 | DS202C M B25 APR300 | 2CSR272440R3255 | | 0.240 | 5 |
| | | 32 | 125556 | DS202C M B32 APR300 | 2CSR272440R3325 | | 0.240 | 5 |

RCBOs

DS202C M series 10000 APR type, C characteristic



DS202C M

DS202C M APR type, C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).


Application: residential, commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 10\,000$ A

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 121657 | DS202C M C6 APR30 | 2CSR272440R1064 | | 0.240 | 5 |
| | | 10 | 121756 | DS202C M C10 APR30 | 2CSR272440R1104 | | 0.240 | 5 |
| | | 13 | 121855 | DS202C M C13 APR30 | 2CSR272440R1134 | | 0.240 | 5 |
| | | 16 | 121954 | DS202C M C16 APR30 | 2CSR272440R1164 | | 0.240 | 5 |
| | | 20 | 122050 | DS202C M C20 APR30 | 2CSR272440R1204 | | 0.240 | 5 |
| | | 25 | 122159 | DS202C M C25 APR30 | 2CSR272440R1254 | | 0.240 | 5 |
| | | 32 | 122258 | DS202C M C32 APR30 | 2CSR272440R1324 | | 0.240 | 5 |

RCBOs

DS202C M 110V series 10000 A  type, C characteristic



DS202C M 110V

DS202C M 110V A type, C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$). This particular series of devices has the minimum operating voltage of test button of 110V and it is suitable for 230 V applications.

Application: residential, commercial, industrial.

Standard: IEC 61009-1; IEC 61009-2-1

$I_{cn} = 10\,000 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|-----------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 079934 | DS202C M C6 A30 110V | 2CSR272199R1064 | | 0.240 | 5 |
| | | 10 | 079835 | DS202C M C10 A30 110V | 2CSR272199R1104 | | 0.240 | 5 |
| | | 13 | 079330 | DS202C M C13 A30 110V | 2CSR272199R1134 | | 0.240 | 5 |
| | | 16 | 079736 | DS202C M C16 A30 110V | 2CSR272199R1164 | | 0.240 | 5 |
| | | 20 | 079637 | DS202C M C20 A30 110V | 2CSR272199R1204 | | 0.240 | 5 |
| | | 25 | 079538 | DS202C M C25 A30 110V | 2CSR272199R1254 | | 0.240 | 5 |
| | | 32 | 079439 | DS202C M C32 A30 110V | 2CSR272199R1324 | | 0.240 | 5 |



Notes

A series of horizontal lines for writing notes, spanning the width of the page.

RCBO DS203NC. The effective choice

The benefits of a product with the highest quality standards

Compact size for easy installation in small spaces and retrofitting of already existing facilities.

Terminals designed to ease the installation.

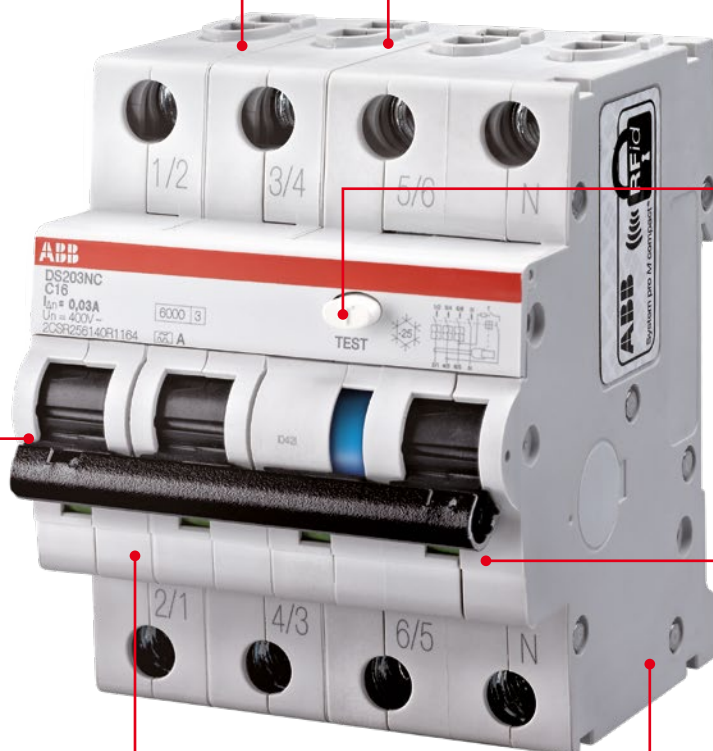
Test pushbutton to verify the correct functioning of the device.

Operating toggle can be sealed into on/off position to ensure maintenance in complete safety.

The indication of the status of the contacts is done with a mechanical connection to the mobile contacts and independently from the toggle position. The contacts position indicator (CPI) allows to exactly know the status of the contacts of the device (green: open contacts, red: closed contacts).

Space for identification labels of the protected line.

Same profile as the System pro M compact® range.





Use with cables and with busbars

Terminals with two slots allow to use different types of conductors: one housing is designed for cables up to 25 mm², the other for busbars or cables up to 10 mm².



RFid

Radio frequency tracking via a radio frequency tag to facilitate logistics and to be assured of the originality of the product.



Differential trip indicator

In case of tripping due to earth fault, a blue flag appears on the toggle thus immediately showing the cause of trip of the device. This feature helps in troubleshooting on the network and reduces the downtime for maintenance.



Laser print information

All the necessary technical and installation information are laser printed on the front and side of units ensuring visibility along the time, including order code on front of device for future orders.



Mounting clip

The mounting clip eases the installation and removal from the DIN rail, even when used in a battery of devices with busbars on bottom terminals (without need of remove other devices).



Approval stamps

DS203NC residual current circuit breakers with overcurrent protection can meet the different installation habits in the various countries and are approved by the most important certification bodies like IMQ, VDE, EAC, KEMA.

RCBOs

DS203NC technical features

| | | DS203NC L | DS203NC |
|---|----------------------------------|---|---|
| Standards | | IEC/EN 61009-1; IEC/EN 61009-2-1 | IEC/EN 61009-1; IEC/EN 61009-2-1 |
| Electrical features | | | |
| Type (wave form of the earth leakage sensed) | | AC, A, APR | AC, A, APR, S |
| Number of poles | | 3P+N | 3P+N |
| Rated current I_n | A | $6 \leq I_n \leq 32A$ | $6 \leq I_n \leq 32A$ |
| Rated sensitivity $I_{\Delta n}$ | mA | 30-300 | 30-100-300 |
| Rated voltage U_e | V | 400-415V | 400-415V |
| Insulation voltage U_i | V | 500 V AC | 500 V AC |
| Overvoltage category | | III | III |
| Pollution degree | | 2 | 2 |
| Operating voltage of circuit test U_t | V | 195 (300 for 30 mA) - 440 | |
| Rated frequency | Hz | 50/60 | 50/60 |
| Rated breaking capacity acc. to IEC/ EN 61009 | ultimate I_{cn} | A | 4500 |
| Rated breaking capacity acc. to IEC/EN 60947-2 | ultimate I_{cu} | kA | 6 |
| | service I_{cs} | kA | 4.5 |
| Rated residual breaking capacity $I_{\Delta m}$ acc. To EN 61009 | | kA | 4.5 |
| Rated residual breaking capacity $I_{\Delta m}$ acc. to IEC 61009 | | kA | 4.5 |
| Rated impulse withstand voltage (1.2/50) U_{imp} | | kV | 4 |
| Dielectric test voltage at ind. freq. for 1 min. | | kV | 2.5 |
| Thermomagnetic release - characteristic | B: $3 I_n \leq I_m \leq 5 I_n$ | | ■ |
| | C: $5 I_n \leq I_m \leq 10 I_n$ | ■ | ■ |
| | K: $10 I_n \leq I_m \leq 14 I_n$ | | ■ |
| Surge current resistance (wave 8/20) | A | NA for A, AC versions; 3000 for APR version | NA for A, AC versions; 3000 for APR version; 5000 for S version |
| Mechanical features | | | |
| Housing | | Insulation group II, RAL 7035 | Insulation group II, RAL 7035 |
| Toggle | | black, sealable in ON-OFF positions | black, sealable in ON-OFF positions |
| Flag indicator | | Differential trip indicator: blue on toggle | Differential trip indicator: blue on toggle |
| Contact position indication | | CPI on window | CPI on window |
| Electrical life | operations | 10000 | 10000 |
| Mechanical life | operations | 20000 | 20000 |
| Protection degree | housing | IP4X | IP4X |
| | terminals | IP2X | IP2X |
| Shock resistance acc. to IEC/EN 60068-2-27 | | 30g - 2 shocks - 13ms | 30g - 2 shocks - 13ms |
| Vibration resistance acc. to IEC/EN 60068-2-6 | | 0,35mm or 5g - 20 cycles at 5...150...5 Hz without load | 0,35mm or 5g - 20 cycles at 5...150...5 Hz without load |
| Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | °C/RH | 28 cycles with 55°C/90-96% and 25°C/95-100% | 28 cycles with 55°C/90-96% and 25°C/95-100% |
| Reference temperature for setting of thermal element | °C | 30 | 30 |
| Ambient temperature (with daily average $\leq +35$ °C) | °C | -25...+55 | -25...+55 |
| Storage temperature | °C | -40...+70 | -40...+70 |

RCBOs

DS203NC technical features

| DS203NC L | | | DS203NC |
|---|----------------------|-----------------|--|
| Installation | | | |
| Terminal type | top/ bottom | | failsafe bi-directional cylinder-lift terminal (shock protected) |
| Terminal size for cables | top/ bottom | mm ² | 25/25 |
| Terminal size for busbars | top/ bottom | mm ² | 10/10 |
| Tightening torque | top/ bottom | Nm | 2.8 |
| Mounting | | | on DIN rail EN 60715 (35 mm) by means of mounting clip |
| Supply from | | | Top/bottom terminals |
| Dimensions and weight | | | |
| Dimensions (H x D x W) | | mm | 85 x 69 x 70.4 |
| Weight | | g | 480 |
| Combination with auxiliary elements | | | |
| Combinable with accessories and auxiliaries, by means of interface contact SN201-IH | Auxiliary contact | | yes |
| | Signal contact | | yes |
| | Shunt trip | | yes |
| | Undervoltage release | | yes |
| | Overvoltage release | | yes |

RCBOs

DS203NC L AC 



DS203NC L - AC type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 4\,500 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|---------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3P+N | 30 | 6 | 353928 | DS203NC L C6 AC30 | 2CSR246040R1064 | | 0.480 | 1 |
| | | 8 | 343622 | DS203NC L C8 AC30 | 2CSR246040R1084 | | 0.480 | 1 |
| | | 10 | 353829 | DS203NC L C10 AC30 | 2CSR246040R1104 | | 0.480 | 1 |
| | | 13 | 343523 | DS203NC L C13 AC30 | 2CSR246040R1134 | | 0.480 | 1 |
| | | 16 | 353720 | DS203NC L C16 AC30 | 2CSR246040R1164 | | 0.480 | 1 |
| | | 20 | 343424 | DS203NC L C20 AC30 | 2CSR246040R1204 | | 0.480 | 1 |
| | | 25 | 353621 | DS203NC L C25 AC30 | 2CSR246040R1254 | | 0.480 | 1 |
| | | 32 | 343325 | DS203NC L C32 AC30 | 2CSR246040R1324 | | 0.480 | 1 |
| | 300 | 6 | 343226 | DS203NC L C6 AC300 | 2CSR246040R3064 | | 0.480 | 1 |
| | | 8 | 343127 | DS203NC L C8 AC300 | 2CSR246040R3084 | | 0.480 | 1 |
| | | 10 | 343028 | DS203NC L C10 AC300 | 2CSR246040R3104 | | 0.480 | 1 |
| | | 13 | 342922 | DS203NC L C13 AC300 | 2CSR246040R3134 | | 0.480 | 1 |
| | | 16 | 776727 | DS203NC L C16 AC300 | 2CSR246040R3164 | | 0.480 | 1 |
| | | 20 | 342823 | DS203NC L C20 AC300 | 2CSR246040R3204 | | 0.480 | 1 |
| | | 25 | 342724 | DS203NC L C25 AC300 | 2CSR246040R3254 | | 0.480 | 1 |
| | | 32 | 358428 | DS203NC L C32 AC300 | 2CSR246040R3324 | | 0.480 | 1 |

RCBOs

DS203NC L A  type



DS203NC L - A type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I\Delta n = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 4\,500 \text{ A}$

| Number of poles | Rated residual current $I\Delta n \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|-------------------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3P+N | 30 | 6 | 354628 | DS203NC L C6 A30 | 2CSR246140R1064 | | 0.480 | 1 |
| | | 8 | 344322 | DS203NC L C8 A30 | 2CSR246140R1084 | | 0.480 | 1 |
| | | 10 | 354529 | DS203NC L C10 A30 | 2CSR246140R1104 | | 0.480 | 1 |
| | | 13 | 344223 | DS203NC L C13 A30 | 2CSR246140R1134 | | 0.480 | 1 |
| | | 16 | 354420 | DS203NC L C16 A30 | 2CSR246140R1164 | | 0.480 | 1 |
| | | 20 | 344124 | DS203NC L C20 A30 | 2CSR246140R1204 | | 0.480 | 1 |
| | | 25 | 354321 | DS203NC L C25 A30 | 2CSR246140R1254 | | 0.480 | 1 |
| | | 32 | 498025 | DS203NC L C32 A30 | 2CSR246140R1324 | | 0.480 | 1 |
| | 300 | 6 | 499220 | DS203NC L C6 A300 | 2CSR246140R3064 | | 0.480 | 1 |
| | | 8 | 344025 | DS203NC L C8 A300 | 2CSR246140R3084 | | 0.480 | 1 |
| | | 10 | 354222 | DS203NC L C10 A300 | 2CSR246140R3104 | | 0.480 | 1 |
| | | 13 | 343929 | DS203NC L C13 A300 | 2CSR246140R3134 | | 0.480 | 1 |
| | | 16 | 354123 | DS203NC L C16 A300 | 2CSR246140R3164 | | 0.480 | 1 |
| | | 20 | 343820 | DS203NC L C20 A300 | 2CSR246140R3204 | | 0.480 | 1 |
| | | 25 | 354024 | DS203NC L C25 A300 | 2CSR246140R3254 | | 0.480 | 1 |
| | | 32 | 343721 | DS203NC L C32 A300 | 2CSR246140R3324 | | 0.480 | 1 |

RCBOs

DS203NC L APR type



DS203NC L - APR type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal compromise between safety and continuity of service, thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$); protection and isolation of resistive and inductive loads.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 4\,500 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|---------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3P+N | 30 | 6 | 079125 | DS203NC L C6 APR30 | 2CSR246440R1064 | | 0.480 | 1 |
| | | 8 | 079026 | DS203NC L C8 APR30 | 2CSR246440R1084 | | 0.480 | 1 |
| | | 10 | 078920 | DS203NC L C10 APR30 | 2CSR246440R1104 | | 0.480 | 1 |
| | | 13 | 078821 | DS203NC L C13 APR30 | 2CSR246440R1134 | | 0.480 | 1 |
| | | 16 | 078722 | DS203NC L C16 APR30 | 2CSR246440R1164 | | 0.480 | 1 |
| | | 20 | 078623 | DS203NC L C20 APR30 | 2CSR246440R1204 | | 0.480 | 1 |
| | | 25 | 078524 | DS203NC L C25 APR30 | 2CSR246440R1254 | | 0.480 | 1 |
| | | 32 | 078425 | DS203NC L C32 APR30 | 2CSR246440R1324 | | 0.480 | 1 |

RCBOs

DS203NC AC  type



DS203NC - AC type - B curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-------------------------------|--------------------|-------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3P+N | 30 | 6 | 077428 | DS203NC B6 AC30 | 2CSR256040R1065 | | 0.480 | 1 |
| | | 8 | 077329 | DS203NC B8 AC30 | 2CSR256040R1085 | | 0.480 | 1 |
| | | 10 | 077220 | DS203NC B10 AC30 | 2CSR256040R1105 | | 0.480 | 1 |
| | | 13 | 077121 | DS203NC B13 AC30 | 2CSR256040R1135 | | 0.480 | 1 |
| | | 16 | 077022 | DS203NC B16 AC30 | 2CSR256040R1165 | | 0.480 | 1 |
| | | 20 | 076926 | DS203NC B20 AC30 | 2CSR256040R1205 | | 0.480 | 1 |
| | | 25 | 790525 | DS203NC B25 AC30 | 2CSR256040R1255 | | 0.480 | 1 |
| | | 32 | 076827 | DS203NC B32 AC30 | 2CSR256040R1325 | | 0.480 | 1 |
| | 100 | 6 | 076728 | DS203NC B6 AC100 | 2CSR256040R2065 | | 0.480 | 1 |
| | | 8 | 076629 | DS203NC B8 AC100 | 2CSR256040R2085 | | 0.480 | 1 |
| | | 10 | 076520 | DS203NC B10 AC100 | 2CSR256040R2105 | | 0.480 | 1 |
| | | 13 | 076421 | DS203NC B13 AC100 | 2CSR256040R2135 | | 0.480 | 1 |
| | | 16 | 076322 | DS203NC B16 AC100 | 2CSR256040R2165 | | 0.480 | 1 |
| | | 20 | 076223 | DS203NC B20 AC100 | 2CSR256040R2205 | | 0.480 | 1 |
| | | 25 | 076124 | DS203NC B25 AC100 | 2CSR256040R2255 | | 0.480 | 1 |
| | | 32 | 076025 | DS203NC B32 AC100 | 2CSR256040R2325 | | 0.480 | 1 |
| | 300 | 6 | 353423 | DS203NC B6 AC300 | 2CSR256040R3065 | | 0.480 | 1 |
| | | 8 | 353324 | DS203NC B8 AC300 | 2CSR256040R3085 | | 0.480 | 1 |
| | | 10 | 266327 | DS203NC B10 AC300 | 2CSR256040R3105 | | 0.480 | 1 |
| | | 13 | 266228 | DS203NC B13 AC300 | 2CSR256040R3135 | | 0.480 | 1 |
| | | 16 | 266129 | DS203NC B16 AC300 | 2CSR256040R3165 | | 0.480 | 1 |
| | | 20 | 266020 | DS203NC B20 AC300 | 2CSR256040R3205 | | 0.480 | 1 |
| | | 25 | 265924 | DS203NC B25 AC300 | 2CSR256040R3255 | | 0.480 | 1 |
| | | 32 | 790822 | DS203NC B32 AC300 | 2CSR256040R3325 | | 0.480 | 1 |

RCBOs

DS203NC AC  type



DS203NC - AC type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|-------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3P+N | 30 | 6 | 265825 | DS203NC C6 AC30 | 2CSR256040R1064 | | 0.480 | 1 |
| | | 8 | 353225 | DS203NC C8 AC30 | 2CSR256040R1084 | | 0.480 | 1 |
| | | 10 | 518228 | DS203NC C10 AC30 | 2CSR256040R1104 | | 0.480 | 1 |
| | | 13 | 186823 | DS203NC C13 AC30 | 2CSR256040R1134 | | 0.480 | 1 |
| | | 16 | 352228 | DS203NC C16 AC30 | 2CSR256040R1164 | | 0.480 | 1 |
| | | 20 | 186724 | DS203NC C20 AC30 | 2CSR256040R1204 | | 0.480 | 1 |
| | | 25 | 352129 | DS203NC C25 AC30 | 2CSR256040R1254 | | 0.480 | 1 |
| | | 32 | 263920 | DS203NC C32 AC30 | 2CSR256040R1324 | | 0.480 | 1 |
| | 100 | 6 | 263821 | DS203NC C6 AC100 | 2CSR256040R2064 | | 0.480 | 1 |
| | | 8 | 263722 | DS203NC C8 AC100 | 2CSR256040R2084 | | 0.480 | 1 |
| | | 10 | 263623 | DS203NC C10 AC100 | 2CSR256040R2104 | | 0.480 | 1 |
| | | 13 | 263524 | DS203NC C13 AC100 | 2CSR256040R2134 | | 0.480 | 1 |
| | | 16 | 518327 | DS203NC C16 AC100 | 2CSR256040R2164 | | 0.480 | 1 |
| | | 20 | 263425 | DS203NC C20 AC100 | 2CSR256040R2204 | | 0.480 | 1 |
| | | 25 | 186021 | DS203NC C25 AC100 | 2CSR256040R2254 | | 0.480 | 1 |
| | | 32 | 352020 | DS203NC C32 AC100 | 2CSR256040R2324 | | 0.480 | 1 |
| | 300 | 6 | 185925 | DS203NC C6 AC300 | 2CSR256040R3064 | | 0.480 | 1 |
| | | 8 | 185826 | DS203NC C8 AC300 | 2CSR256040R3084 | | 0.480 | 1 |
| | | 10 | 185727 | DS203NC C10 AC300 | 2CSR256040R3104 | | 0.480 | 1 |
| | | 13 | 185628 | DS203NC C13 AC300 | 2CSR256040R3134 | | 0.480 | 1 |
| | | 16 | 185529 | DS203NC C16 AC300 | 2CSR256040R3164 | | 0.480 | 1 |
| | | 20 | 185420 | DS203NC C20 AC300 | 2CSR256040R3204 | | 0.480 | 1 |
| | | 25 | 517825 | DS203NC C25 AC300 | 2CSR256040R3254 | | 0.480 | 1 |
| | | 32 | 180821 | DS203NC C32 AC300 | 2CSR256040R3324 | | 0.480 | 1 |

RCBOs

DS203NC A  type



DS203NC - A type - B curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 3P+N | 30 | 6 | 078326 | DS203NC B6 A30 | 2CSR256140R1065 | | 0.480 | 1 |
| | | 8 | 078227 | DS203NC B8 A30 | 2CSR256140R1085 | | 0.480 | 1 |
| | | 10 | 078128 | DS203NC B10 A30 | 2CSR256140R1105 | | 0.480 | 1 |
| | | 13 | 078029 | DS203NC B13 A30 | 2CSR256140R1135 | | 0.480 | 1 |
| | | 16 | 077923 | DS203NC B16 A30 | 2CSR256140R1165 | | 0.480 | 1 |
| | | 20 | 077824 | DS203NC B20 A30 | 2CSR256140R1205 | | 0.480 | 1 |
| | | 25 | 077725 | DS203NC B25 A30 | 2CSR256140R1255 | | 0.480 | 1 |
| | | 32 | 077626 | DS203NC B32 A30 | 2CSR256140R1325 | | 0.480 | 1 |
| | 100 | 6 | 080329 | DS203NC B6 A100 | 2CSR256140R2065 | | 0.480 | 1 |
| | | 8 | 080220 | DS203NC B8 A100 | 2CSR256140R2085 | | 0.480 | 1 |
| | | 10 | 080121 | DS203NC B10 A100 | 2CSR256140R2105 | | 0.480 | 1 |
| | | 13 | 080022 | DS203NC B13 A100 | 2CSR256140R2135 | | 0.480 | 1 |
| | | 16 | 079927 | DS203NC B16 A100 | 2CSR256140R2165 | | 0.480 | 1 |
| | | 20 | 079828 | DS203NC B20 A100 | 2CSR256140R2205 | | 0.480 | 1 |
| | | 25 | 079729 | DS203NC B25 A100 | 2CSR256140R2255 | | 0.480 | 1 |
| | | 32 | 079620 | DS203NC B32 A100 | 2CSR256140R2325 | | 0.480 | 1 |
| | 300 | 6 | 079521 | DS203NC B6 A300 | 2CSR256140R3065 | | 0.480 | 1 |
| | | 8 | 079422 | DS203NC B8 A300 | 2CSR256140R3085 | | 0.480 | 1 |
| | | 10 | 079323 | DS203NC B10 A300 | 2CSR256140R3105 | | 0.480 | 1 |
| | | 13 | 079224 | DS203NC B13 A300 | 2CSR256140R3135 | | 0.480 | 1 |
| | | 16 | 305026 | DS203NC B16 A300 | 2CSR256140R3165 | | 0.480 | 1 |
| | | 20 | 305125 | DS203NC B20 A300 | 2CSR256140R3205 | | 0.480 | 1 |
| | | 25 | 400226 | DS203NC B25 A300 | 2CSR256140R3255 | | 0.480 | 1 |
| | | 32 | 400028 | DS203NC B32 A300 | 2CSR256140R3325 | | 0.480 | 1 |

RCBOs

DS203NC A  type



DS203NC - A type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3P+N | 30 | 6 | 400127 | DS203NC C6 A30 | 2CSR256140R1064 | | 0.480 | 1 |
| | | 8 | 058823 | DS203NC C8 A30 | 2CSR256140R1084 | | 0.480 | 1 |
| | | 10 | 896524 | DS203NC C10 A30 | 2CSR256140R1104 | | 0.480 | 1 |
| | | 13 | 768227 | DS203NC C13 A30 | 2CSR256140R1134 | | 0.480 | 1 |
| | | 16 | 830924 | DS203NC C16 A30 | 2CSR256140R1164 | | 0.480 | 1 |
| | | 20 | 839927 | DS203NC C20 A30 | 2CSR256140R1204 | | 0.480 | 1 |
| | | 25 | 768524 | DS203NC C25 A30 | 2CSR256140R1254 | | 0.480 | 1 |
| | | 32 | 831228 | DS203NC C32 A30 | 2CSR256140R1324 | | 0.480 | 1 |
| | 100 | 6 | 840220 | DS203NC C6 A100 | 2CSR256140R2064 | | 0.480 | 1 |
| | | 8 | 896425 | DS203NC C8 A100 | 2CSR256140R2084 | | 0.480 | 1 |
| | | 10 | 768128 | DS203NC C10 A100 | 2CSR256140R2104 | | 0.480 | 1 |
| | | 13 | 830825 | DS203NC C13 A100 | 2CSR256140R2134 | | 0.480 | 1 |
| | | 16 | 839828 | DS203NC C16 A100 | 2CSR256140R2164 | | 0.480 | 1 |
| | | 20 | 896722 | DS203NC C20 A100 | 2CSR256140R2204 | | 0.480 | 1 |
| | | 25 | 768425 | DS203NC C25 A100 | 2CSR256140R2254 | | 0.480 | 1 |
| | | 32 | 831129 | DS203NC C32 A100 | 2CSR256140R2324 | | 0.480 | 1 |
| | 300 | 6 | 840121 | DS203NC C6 A300 | 2CSR256140R3064 | | 0.480 | 1 |
| | | 8 | 830726 | DS203NC C8 A300 | 2CSR256140R3084 | | 0.480 | 1 |
| | | 10 | 839729 | DS203NC C10 A300 | 2CSR256140R3104 | | 0.480 | 1 |
| | | 13 | 896623 | DS203NC C13 A300 | 2CSR256140R3134 | | 0.480 | 1 |
| | | 16 | 768326 | DS203NC C16 A300 | 2CSR256140R3164 | | 0.480 | 1 |
| | | 20 | 831020 | DS203NC C20 A300 | 2CSR256140R3204 | | 0.480 | 1 |
| | | 25 | 840022 | DS203NC C25 A300 | 2CSR256140R3254 | | 0.480 | 1 |
| | | 32 | 631620 | DS203NC C32 A300 | 2CSR256140R3324 | | 0.480 | 1 |

RCBOs

DS203NC A  type



DS203NC - A type - K curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3P+N | 30 | 6 | 376026 | DS203NC K6 A30 | 2CSR256140R1067 | | 0.480 | 1 |
| | | 8 | 629726 | DS203NC K8 A30 | 2CSR256140R1087 | | 0.480 | 1 |
| | | 10 | 375920 | DS203NC K10 A30 | 2CSR256140R1107 | | 0.480 | 1 |
| | | 13 | 779322 | DS203NC K13 A30 | 2CSR256140R1137 | | 0.480 | 1 |
| | | 16 | 769323 | DS203NC K16 A30 | 2CSR256140R1167 | | 0.480 | 1 |
| | | 20 | 631521 | DS203NC K20 A30 | 2CSR256140R1207 | | 0.480 | 1 |
| | | 25 | 375821 | DS203NC K25 A30 | 2CSR256140R1257 | | 0.480 | 1 |
| | | 32 | 779223 | DS203NC K32 A30 | 2CSR256140R1327 | | 0.480 | 1 |
| | 100 | 6 | 593423 | DS203NC K6 A100 | 2CSR256140R2067 | | 0.480 | 1 |
| | | 8 | 581628 | DS203NC K8 A100 | 2CSR256140R2087 | | 0.480 | 1 |
| | | 10 | 569824 | DS203NC K10 A100 | 2CSR256140R2107 | | 0.480 | 1 |
| | | 13 | 594727 | DS203NC K13 A100 | 2CSR256140R2137 | | 0.480 | 1 |
| | | 16 | 582922 | DS203NC K16 A100 | 2CSR256140R2167 | | 0.480 | 1 |
| | | 20 | 571124 | DS203NC K20 A100 | 2CSR256140R2207 | | 0.480 | 1 |
| | | 25 | 592426 | DS203NC K25 A100 | 2CSR256140R2257 | | 0.480 | 1 |
| | | 32 | 580621 | DS203NC K32 A100 | 2CSR256140R2327 | | 0.480 | 1 |

RCBOs

DS203NC APR type



DS203NC - APR type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal compromise between safety and continuity of service, thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$); protection and isolation of resistive and inductive loads.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6000 \text{ A}$

| Number of poles | Rated residual current $I_{\Delta n} \text{ mA}$ | Rated current $I_n \text{ A}$ | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|-------------------------------|--------------------|--------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | | |
| 3P+N | 30 | 6 | 349822 | DS203NC C6 APR30 | 2CSR256440R1064 | | 0.480 | 1 |
| | | 8 | 180722 | DS203NC C8 APR30 | 2CSR256440R1084 | | 0.480 | 1 |
| | | 10 | 349723 | DS203NC C10 APR30 | 2CSR256440R1104 | | 0.480 | 1 |
| | | 13 | 261520 | DS203NC C13 APR30 | 2CSR256440R1134 | | 0.480 | 1 |
| | | 16 | 261421 | DS203NC C16 APR30 | 2CSR256440R1164 | | 0.480 | 1 |
| | | 20 | 261322 | DS203NC C20 APR30 | 2CSR256440R1204 | | 0.480 | 1 |
| | | 25 | 261223 | DS203NC C25 APR30 | 2CSR256440R1254 | | 0.480 | 1 |
| | | 32 | 261124 | DS203NC C32 APR30 | 2CSR256440R1324 | | 0.480 | 1 |
| | 100 | 6 | 274223 | DS203NC C6 APR100 | 2CSR256440R2064 | | 0.480 | 1 |
| | | 8 | 517924 | DS203NC C8 APR100 | 2CSR256440R2084 | | 0.480 | 1 |
| | | 10 | 261025 | DS203NC C10 APR100 | 2CSR256440R2104 | | 0.480 | 1 |
| | | 13 | 180029 | DS203NC C13 APR100 | 2CSR256440R2134 | | 0.480 | 1 |
| | | 16 | 349624 | DS203NC C16 APR100 | 2CSR256440R2164 | | 0.480 | 1 |
| | | 20 | 179924 | DS203NC C20 APR100 | 2CSR256440R2204 | | 0.480 | 1 |
| | | 25 | 179825 | DS203NC C25 APR100 | 2CSR256440R2254 | | 0.480 | 1 |
| | | 32 | 179726 | DS203NC C32 APR100 | 2CSR256440R2324 | | 0.480 | 1 |
| | 300 | 6 | 179627 | DS203NC C6 APR300 | 2CSR256440R3064 | | 0.480 | 1 |
| | | 8 | 179528 | DS203NC C8 APR300 | 2CSR256440R3084 | | 0.480 | 1 |
| | | 10 | 179429 | DS203NC C10 APR300 | 2CSR256440R3104 | | 0.480 | 1 |
| | | 13 | 518020 | DS203NC C13 APR300 | 2CSR256440R3134 | | 0.480 | 1 |
| | | 16 | 176329 | DS203NC C16 APR300 | 2CSR256440R3164 | | 0.480 | 1 |
| | | 20 | 351023 | DS203NC C20 APR300 | 2CSR256440R3204 | | 0.480 | 1 |
| | | 25 | 176220 | DS203NC C25 APR300 | 2CSR256440R3254 | | 0.480 | 1 |
| | | 32 | 350927 | DS203NC C32 APR300 | 2CSR256440R3324 | | 0.480 | 1 |

RCBOs

DS203NC A  S type



DS203NC - A S type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact (IΔn = 30 mA). Selective type.

Application: commercial, industrial.
Standard: IEC/EN 61009-1; IEC/EN 61009-2-1
Icn = 6 000 A

| Number of poles | Rated residual current IΔn mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------------------------------|--------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3P+N | 100 | 16 | 021827 | DS203NC C16 A S100 | 2CSR256240R2164 | | 0.480 | 1 |
| | | 20 | 021728 | DS203NC C20 A S100 | 2CSR256240R2204 | | 0.480 | 1 |
| | | 25 | 021629 | DS203NC C25 A S100 | 2CSR256240R2254 | | 0.480 | 1 |
| | | 32 | 021520 | DS203NC C32 A S100 | 2CSR256240R2324 | | 0.480 | 1 |
| | 300 | 16 | 297727 | DS203NC C16 A S300 | 2CSR256240R3164 | | 0.480 | 1 |
| | | 20 | 373223 | DS203NC C20 A S300 | 2CSR256240R3204 | | 0.480 | 1 |
| | | 25 | 373124 | DS203NC C25 A S300 | 2CSR256240R3254 | | 0.480 | 1 |
| | | 32 | 077527 | DS203NC C32 A S300 | 2CSR256240R3324 | | 0.480 | 1 |

RCBOs

DS 200 technical features



DS 200

| Standards | | | |
|---------------------|--|----------------------------------|---------------------------------|
| Electrical features | Operating characteristic: type (wave form of the earth leakage sensed) | | |
| | Poles | | |
| | Rated sensitivity $I_{\Delta n}$ | | A |
| | Rated current I_n | | A |
| | Rated voltage U_e | 2P | V |
| | | 3P, 4P | V |
| | Insulation voltage U_i | | V |
| | Operating voltage of circuit test U_t | 2P | V |
| | | 3P | V |
| | | 4P | V |
| | Rated frequency | | Hz |
| | Rated breaking capacity acc. to IEC/EN 61009 | ultimate I_{cn} | A |
| | | ultimate I_{cu} | kA |
| | | service I_{cs} | kA |
| | Rated residual breaking capacity $I_{\Delta m}$ | | kA |
| | Rated impulse withstand voltage (1.2/50) U_{imp} | | kV |
| | Dielectric test voltage at ind. freq. for 1 min. | | kV |
| | Overvoltage category | | |
| | Thermomagnetic release characteristic | B: $3 I_n \leq I_m \leq 5 I_n$ | |
| | | C: $5 I_n \leq I_m \leq 10 I_n$ | |
| | | K: $10 I_n \leq I_m \leq 14 I_n$ | |
| | Surge current resistance (wave 8/20) | | A |
| Mechanical features | Toggle | | 2P, 3P, 4P |
| | Contact position indication | | |
| | Electrical life | | |
| | Mechanical life | | |
| | Protection degree | housing | |
| | | terminals | |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | °C/RH |
| | Reference temperature for setting of thermal element | | °C |
| Installation | Terminal type | | top |
| | | | bottom 2P |
| | | | 3P/4P $I_n \leq 40 A$ |
| | | | 3P/4P $50 A \leq I_n \leq 63 A$ |
| | Terminal size top/bottom per cable | 2P | mm ² |
| | | 3P/4P $I_n \leq 40 A$ | mm ² |
| | | 3P/4P $50 A \leq I_n \leq 63 A$ | mm ² |
| | Tightening torque top/bottom | 2P | Nm |
| | | 3P/4P $I_n \leq 40 A$ | Nm |
| | | 3P/4P $50 A \leq I_n \leq 63 A$ | Nm |
| | Mounting | | |
| | Mounting position | | |
| | Connection | | |

① Available depending on type and characteristic curve. For 2P RCBOs A type B-C curves up to 32 A, refer to DS202C 2 protected poles RCBOs in only two modules

② Prior to connection of aluminium conductors ($\geq 4 \text{ mm}^2$) ensure that their contact points are cleaned, brushed and coated with grease

RCBOs

DS 200 technical features

| DS 200 AC | DS 200 A | DS 200M AC | DS 200M A |
|---|----------|------------|-----------|
| IEC/EN 61009-1; IEC/EN 61009-2-1; IEC/EN 60947-2 | | | |
| AC | A | AC | A |
| 2P, 3P, 4P | | | |
| 0.03 | | | |
| $6 \leq I_n \leq 63$ ① | | | |
| 230-240 | | | |
| 230/400 - 240/415 | | | |
| 500 | | | |
| 110 (170 for 30 mA) - 254 | | | |
| 195 (300 for 30 mA) - 440 | | | |
| 195 (300 for 30 mA) - 440 | | | |
| 50...60 | | | |
| 6000 | 6000 | 10000 | 10000 |
| 10 | 10 | 15 | 15 |
| 7.5 | 7.5 | 11.2 | 11.2 |
| 6 | 6 | 10 | 10 |
| 6 | | | |
| 2.5 | | | |
| III, disconnecter abilities | | | |
| ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | ■ |
| | ■ | | |
| NA | | | |
| black (MCB) sealable in ON-OFF position + blue (RCD) | | | |
| CPI on window | | | |
| 10000 | | | |
| 20000 | | | |
| IP4X | | | |
| IP2X | | | |
| 28 cycles with 55°C/90-96% and 25°C/95-100% | | | |
| 30 | | | |
| -25...+55 | | | |
| -40...+70 | | | |
| failsafe bidirectional cylinder-lift terminal (shock protected) ② | | | |
| failsafe bidirectional cylinder-lift terminal (shock protected) ② | | | |
| cage (shock protected) | | | |
| failsafe bidirectional cylinder-lift terminal (shock protected) ② | | | |
| rigid: 35/25 flexible: 25/25 | | | |
| rigid: 35/25 flexible: 25/16 | | | |
| rigid : 35/25 flexible : 25/25 | | | |
| 2.8/2.8 | | | |
| 2.8/1.2 | | | |
| 2.8/2.8 | | | |
| on DIN rail EN 60715 (35 mm) by means of fast clip device | | | |
| Any | | | |
| 715 (35 mm) by means of fast clip devicefrom top and bottom | | | |

RCBOs

DS 200 technical features



DS 200

| Dimensions and weight | Dimensions (H x D x W) | 2P | mm |
|-------------------------------------|------------------------|--|----|
| | | 3P $I_n \leq 40\text{ A}$ | mm |
| | | 4P $I_n \leq 40\text{ A}$ | mm |
| | | 3P $50\text{ A} \leq I_n \leq 63\text{ A}$ | mm |
| | | 4P $50\text{ A} \leq I_n \leq 63\text{ A}$ | mm |
| | Weight | 2P | g |
| | | 3P $I_n \leq 40\text{ A}$ | g |
| | | 4P $I_n \leq 40\text{ A}$ | g |
| | | 3P $50\text{ A} \leq I_n \leq 63\text{ A}$ | g |
| | | 4P $50\text{ A} \leq I_n \leq 63\text{ A}$ | g |
| Combination with auxiliary elements | Combinable with: | auxiliary contact | |
| | | signal contact/auxiliary switch | |
| | | shunt trip | |
| | | undervoltage release | |




RCBOs

DS 200 technical features

| DS 200 AC | DS 200 A | DS 200M AC | DS 200M A |
|-----------------|----------|------------|-----------|
| 85 x 69 x 70 | | | |
| 85 x 69 x 87.5 | | | |
| 85 x 69 x 105 | | | |
| 85 x 69 x 122.5 | | | |
| 85 x 69 x 140 | | | |
| 475 | | | |
| 625 | | | |
| 775 | | | |
| 775 | | | |
| 925 | | | |
| yes | | | |
| yes | | | |
| yes | | | |
| yes | | | |

RCBOs

DS 201 series 6000 - AC  type, B characteristic



DS 202



DS 203



DS 204

DS 200 AC type, B characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial, residential.

Standard: IEC/EN 61009-1, IEC/EN 61009-2-1 and IEC/EN 60947-2

Icn = 6 kA


| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|-----------------------|-----------------------|-------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 863502 | DS202 AC-B6/0.03 | 2CSR252001R1065 | | 0.440 | 1 |
| | | 10 | 863601 | DS202 AC-B10/0.03 | 2CSR252001R1105 | | 0.440 | 1 |
| | | 13 | 863700 | DS202 AC-B13/0.03 | 2CSR252001R1135 | | 0.440 | 1 |
| | | 16 | 863809 | DS202 AC-B16/0.03 | 2CSR252001R1165 | | 0.440 | 1 |
| | | 20 | 863908 | DS202 AC-B20/0.03 | 2CSR252001R1205 | | 0.440 | 1 |
| | | 25 | 864004 | DS202 AC-B25/0.03 | 2CSR252001R1255 | | 0.440 | 1 |
| | | 32 | 864103 | DS202 AC-B32/0.03 | 2CSR252001R1325 | | 0.440 | 1 |
| | | 40 | 864202 | DS202 AC-B40/0.03 | 2CSR252001R1405 | | 0.440 | 1 |
| | | 50 ① | 864301 | DS202 AC-B50/0.03 | 2CSR252001R1505 | | 0.440 | 1 |
| | | 63 ① | 864400 | DS202 AC-B63/0.03 | 2CSR252001R1635 | | 0.440 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|-----------------------|-----------------------|-------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 6 | 865506 | DS203 AC-B6/0.03 | 2CSR253001R1065 | | 0.610 | 1 |
| | | 10 | 865605 | DS203 AC-B10/0.03 | 2CSR253001R1105 | | 0.610 | 1 |
| | | 13 | 865704 | DS203 AC-B13/0.03 | 2CSR253001R1135 | | 0.610 | 1 |
| | | 16 | 865803 | DS203 AC-B16/0.03 | 2CSR253001R1165 | | 0.610 | 1 |
| | | 20 | 865902 | DS203 AC-B20/0.03 | 2CSR253001R1205 | | 0.610 | 1 |
| | | 25 | 866008 | DS203 AC-B25/0.03 | 2CSR253001R1255 | | 0.610 | 1 |
| | | 32 | 866107 | DS203 AC-B32/0.03 | 2CSR253001R1325 | | 0.610 | 1 |
| | | 40 | 866206 | DS203 AC-B40/0.03 | 2CSR253001R1405 | | 0.610 | 1 |
| | | 50 ① | 866305 | DS203 AC-B50/0.03 | 2CSR253001R1505 | | 0.650 | 1 |
| | | 63 ① | 866404 | DS203 AC-B63/0.03 | 2CSR253001R1635 | | 0.650 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|-----------------------|-----------------------|-------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 6 | 867500 | DS204 AC-B6/0.03 | 2CSR254001R1065 | | 0.780 | 1 |
| | | 10 | 867609 | DS204 AC-B10/0.03 | 2CSR254001R1105 | | 0.780 | 1 |
| | | 13 | 867708 | DS204 AC-B13/0.03 | 2CSR254001R1135 | | 0.780 | 1 |
| | | 16 | 867807 | DS204 AC-B16/0.03 | 2CSR254001R1165 | | 0.780 | 1 |
| | | 20 | 867906 | DS204 AC-B20/0.03 | 2CSR254001R1205 | | 0.780 | 1 |
| | | 25 | 868002 | DS204 AC-B25/0.03 | 2CSR254001R1255 | | 0.780 | 1 |
| | | 32 | 868101 | DS204 AC-B32/0.03 | 2CSR254001R1325 | | 0.780 | 1 |
| | | 40 | 868200 | DS204 AC-B40/0.03 | 2CSR254001R1405 | | 0.780 | 1 |
| | | 50 ① | 868309 | DS204 AC-B50/0.03 | 2CSR254001R1505 | | 0.825 | 1 |
| | | 63 ① | 868408 | DS204 AC-B63/0.03 | 2CSR254001R1635 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 series 6000 - AC  type, C characteristic



DS 202



DS 203



DS 204

DS 200 AC type, C characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1 and IEC/EN 60947-2

Icn = 6 kA

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|-------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 869504 | DS202 AC-C6/0.03 | 2CSR252001R1064 | | 0.440 | 1 |
| | | 10 | 869603 | DS202 AC-C10/0.03 | 2CSR252001R1104 | | 0.440 | 1 |
| | | 13 | 869702 | DS202 AC-C13/0.03 | 2CSR252001R1134 | | 0.440 | 1 |
| | | 16 | 869801 | DS202 AC-C16/0.03 | 2CSR252001R1164 | | 0.440 | 1 |
| | | 20 | 869900 | DS202 AC-C20/0.03 | 2CSR252001R1204 | | 0.440 | 1 |
| | | 25 | 870005 | DS202 AC-C25/0.03 | 2CSR252001R1254 | | 0.440 | 1 |
| | | 32 | 870104 | DS202 AC-C32/0.03 | 2CSR252001R1324 | | 0.440 | 1 |
| | | 40 | 870203 | DS202 AC-C40/0.03 | 2CSR252001R1404 | | 0.440 | 1 |
| | | 50 ① | 870302 | DS202 AC-C50/0.03 | 2CSR252001R1504 | | 0.440 | 1 |
| | | 63 ① | 870401 | DS202 AC-C63/0.03 | 2CSR252001R1634 | | 0.440 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|-------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 6 | 871507 | DS203 AC-C6/0.03 | 2CSR253001R1064 | | 0.610 | 1 |
| | | 10 | 871606 | DS203 AC-C10/0.03 | 2CSR253001R1104 | | 0.610 | 1 |
| | | 13 | 871705 | DS203 AC-C13/0.03 | 2CSR253001R1134 | | 0.610 | 1 |
| | | 16 | 871804 | DS203 AC-C16/0.03 | 2CSR253001R1164 | | 0.610 | 1 |
| | | 20 | 871903 | DS203 AC-C20/0.03 | 2CSR253001R1204 | | 0.610 | 1 |
| | | 25 | 872009 | DS203 AC-C25/0.03 | 2CSR253001R1254 | | 0.610 | 1 |
| | | 32 | 872108 | DS203 AC-C32/0.03 | 2CSR253001R1324 | | 0.610 | 1 |
| | | 40 | 872207 | DS203 AC-C40/0.03 | 2CSR253001R1404 | | 0.610 | 1 |
| | | 50 ① | 872306 | DS203 AC-C50/0.03 | 2CSR253001R1504 | | 0.650 | 1 |
| | | 63 ① | 872405 | DS203 AC-C63/0.03 | 2CSR253001R1634 | | 0.650 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|-------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 6 | 873501 | DS204 AC-C6/0.03 | 2CSR254001R1064 | | 0.780 | 1 |
| | | 10 | 873600 | DS204 AC-C10/0.03 | 2CSR254001R1104 | | 0.780 | 1 |
| | | 13 | 873709 | DS204 AC-C13/0.03 | 2CSR254001R1134 | | 0.780 | 1 |
| | | 16 | 873808 | DS204 AC-C16/0.03 | 2CSR254001R1164 | | 0.780 | 1 |
| | | 20 | 873907 | DS204 AC-C20/0.03 | 2CSR254001R1204 | | 0.780 | 1 |
| | | 25 | 874003 | DS204 AC-C25/0.03 | 2CSR254001R1254 | | 0.780 | 1 |
| | | 32 | 874102 | DS204 AC-C32/0.03 | 2CSR254001R1324 | | 0.780 | 1 |
| | | 40 | 874201 | DS204 AC-C40/0.03 | 2CSR254001R1404 | | 0.780 | 1 |
| | | 50 ① | 874300 | DS204 AC-C50/0.03 | 2CSR254001R1504 | | 0.825 | 1 |
| | | 63 ① | 874409 | DS204 AC-C63/0.03 | 2CSR254001R1634 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 series 6000 - A  type, B characteristic



DS 202



DS 203



DS 204

DS 200 A type, B characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1 and IEC/EN 60947-2

Icn = 6 kA

| Number of poles | Rated residual current I Δ n mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|--------------------|-----------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 2 | 30 | 40 | 858201 | DS202 A-B40/0.03 | 2CSR252101R1405 | | 0.440 | 1 |
| | | 50 ① | 858300 | DS202 A-B50/0.03 | 2CSR252101R1505 | | 0.440 | 1 |
| | | 63 ① | 858409 | DS202 A-B63/0.03 | 2CSR252101R1635 | | 0.440 | 1 |

| Number of poles | Rated residual current I Δ n mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|--------------------|-----------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 3 | 30 | 6 | 858508 | DS203 A-B6/0.03 | 2CSR253101R1065 | | 0.610 | 1 |
| | | 10 | 858607 | DS203 A-B10/0.03 | 2CSR253101R1105 | | 0.610 | 1 |
| | | 13 | 858706 | DS203 A-B13/0.03 | 2CSR253101R1135 | | 0.610 | 1 |
| | | 16 | 858805 | DS203 A-B16/0.03 | 2CSR253101R1165 | | 0.610 | 1 |
| | | 20 | 858904 | DS203 A-B20/0.03 | 2CSR253101R1205 | | 0.610 | 1 |
| | | 25 | 859000 | DS203 A-B25/0.03 | 2CSR253101R1255 | | 0.610 | 1 |
| | | 32 | 859109 | DS203 A-B32/0.03 | 2CSR253101R1325 | | 0.610 | 1 |
| | | 40 | 859208 | DS203 A-B40/0.03 | 2CSR253101R1405 | | 0.610 | 1 |
| | | 50 ① | 859307 | DS203 A-B50/0.03 | 2CSR253101R1505 | | 0.650 | 1 |
| | | 63 ① | 859406 | DS203 A-B63/0.03 | 2CSR253101R1635 | | 0.650 | 1 |

| Number of poles | Rated residual current I Δ n mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|--|--------------------|-----------------|------------------|-----------------|---------------|----------------|-----------|
| | | | | Type code | Order code | | kg | pc. |
| 4 | 30 | 6 | 859505 | DS204 A-B6/0.03 | 2CSR254101R1065 | | 0.780 | 1 |
| | | 10 | 859604 | DS204 A-B10/0.03 | 2CSR254101R1105 | | 0.780 | 1 |
| | | 13 | 859703 | DS204 A-B13/0.03 | 2CSR254101R1135 | | 0.780 | 1 |
| | | 16 | 859802 | DS204 A-B16/0.03 | 2CSR254101R1165 | | 0.780 | 1 |
| | | 20 | 859901 | DS204 A-B20/0.03 | 2CSR254101R1205 | | 0.780 | 1 |
| | | 25 | 860006 | DS204 A-B25/0.03 | 2CSR254101R1255 | | 0.780 | 1 |
| | | 32 | 860105 | DS204 A-B32/0.03 | 2CSR254101R1325 | | 0.780 | 1 |
| | | 40 | 860204 | DS204 A-B40/0.03 | 2CSR254101R1405 | | 0.780 | 1 |
| | | 50 ① | 860303 | DS204 A-B50/0.03 | 2CSR254101R1505 | | 0.825 | 1 |
| | | 63 ① | 860402 | DS204 A-B63/0.03 | 2CSR254101R1635 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 series 6000 - A  type, C characteristic



DS 202



DS 203



DS 204

DS 200 A type, C characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1 and IEC/EN 60947-2

Icn = 6 kA

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|---|--------------------------|--------------------|------------------|-----------------|------------------|-------------------|--------------|
| | | | | Type code | Order code | | kg | pc. |
| 2 | 30 | 40 | 861201 | DS202 A-C40/0.03 | 2CSR252101R1404 | | 0.440 | 1 |
| | | 50 ① | 861300 | DS202 A-C50/0.03 | 2CSR252101R1504 | | 0.440 | 1 |
| | | 63 ① | 861409 | DS202 A-C63/0.03 | 2CSR252101R1634 | | 0.440 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|---|--------------------------|--------------------|------------------|-----------------|------------------|-------------------|--------------|
| | | | | Type code | Order code | | kg | pc. |
| 3 | 30 | 6 | 861508 | DS203 A-C6/0.03 | 2CSR253101R1064 | | 0.610 | 1 |
| | | 10 | 861607 | DS203 A-C10/0.03 | 2CSR253101R1104 | | 0.610 | 1 |
| | | 13 | 861706 | DS203 A-C13/0.03 | 2CSR253101R1134 | | 0.610 | 1 |
| | | 16 | 861805 | DS203 A-C16/0.03 | 2CSR253101R1164 | | 0.610 | 1 |
| | | 20 | 861904 | DS203 A-C20/0.03 | 2CSR253101R1204 | | 0.610 | 1 |
| | | 25 | 862000 | DS203 A-C25/0.03 | 2CSR253101R1254 | | 0.610 | 1 |
| | | 32 | 862109 | DS203 A-C32/0.03 | 2CSR253101R1324 | | 0.610 | 1 |
| | | 40 | 862208 | DS203 A-C40/0.03 | 2CSR253101R1404 | | 0.610 | 1 |
| | | 50 ① | 862307 | DS203 A-C50/0.03 | 2CSR253101R1504 | | 0.650 | 1 |
| | | 63 ① | 862406 | DS203 A-C63/0.03 | 2CSR253101R1634 | | 0.650 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|---|--------------------------|--------------------|------------------|-----------------|------------------|-------------------|--------------|
| | | | | Type code | Order code | | kg | pc. |
| 4 | 30 | 6 | 862505 | DS204 A-C6/0.03 | 2CSR254101R1064 | | 0.780 | 1 |
| | | 10 | 862604 | DS204 A-C10/0.03 | 2CSR254101R1104 | | 0.780 | 1 |
| | | 13 | 862703 | DS204 A-C13/0.03 | 2CSR254101R1134 | | 0.780 | 1 |
| | | 16 | 862802 | DS204 A-C16/0.03 | 2CSR254101R1164 | | 0.780 | 1 |
| | | 20 | 862901 | DS204 A-C20/0.03 | 2CSR254101R1204 | | 0.780 | 1 |
| | | 25 | 863007 | DS204 A-C25/0.03 | 2CSR254101R1254 | | 0.780 | 1 |
| | | 32 | 863106 | DS204 A-C32/0.03 | 2CSR254101R1324 | | 0.780 | 1 |
| | | 40 | 863205 | DS204 A-C40/0.03 | 2CSR254101R1404 | | 0.780 | 1 |
| | | 50 ① | 863304 | DS204 A-C50/0.03 | 2CSR254101R1504 | | 0.825 | 1 |
| | | 63 ① | 863403 | DS204 A-C63/0.03 | 2CSR254101R1634 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 series 6000 - A  type, K characteristic



DS 202



DS 203



DS 204

DS 200 A type, K characteristic

Function: protection and control against overloads and short-circuit in systems where motors, transformers and auxiliary circuits are present. Advantages: no unwanted release in case of currents peak up to $8 \times I_n$, according to the series; thanks to the high sensibility bimetal, the K curve switches offer protection of the sensible elements from overcurrents; they also allow the best protection of cables and lines.

Application: commercial, industrial.

Standard: IEC/EN 60947-2

Icn = 6 kA

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 930303 | DS202 A-K6/0.03 | 2CSR252101R1067 | | 0.475 | 1 |
| | | 10 | 900702 | DS202 A-K10/0.03 | 2CSR252101R1107 | | 0.475 | 1 |
| | | 13 | 930402 | DS202 A-K13/0.03 | 2CSR252101R1137 | | 0.475 | 1 |
| | | 16 | 930501 | DS202 A-K16/0.03 | 2CSR252101R1167 | | 0.475 | 1 |
| | | 20 | 930600 | DS202 A-K20/0.03 | 2CSR252101R1207 | | 0.475 | 1 |
| | | 25 | 930709 | DS202 A-K25/0.03 | 2CSR252101R1257 | | 0.475 | 1 |
| | | 32 | 930808 | DS202 A-K32/0.03 | 2CSR252101R1327 | | 0.475 | 1 |
| | | 40 | 930907 | DS202 A-K40/0.03 | 2CSR252101R1407 | | 0.475 | 1 |
| | | 50 ① | 931003 | DS202 A-K50/0.03 | 2CSR252101R1507 | | 0.475 | 1 |
| | | 63 ① | 931102 | DS202 A-K63/0.03 | 2CSR252101R1637 | | 0.475 | 1 |

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|--|-----------------------|--------------------|------------------|-----------------|---------------|----------------------|------------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 6 | 931201 | DS204 A-K6/0.03 | 2CSR254101R1067 | | 0.775 | 1 |
| | | 10 | 931300 | DS204 A-K10/0.03 | 2CSR254101R1107 | | 0.775 | 1 |
| | | 13 | 931409 | DS204 A-K13/0.03 | 2CSR254101R1137 | | 0.775 | 1 |
| | | 16 | 931508 | DS204 A-K16/0.03 | 2CSR254101R1167 | | 0.775 | 1 |
| | | 20 | 931607 | DS204 A-K20/0.03 | 2CSR254101R1207 | | 0.775 | 1 |
| | | 25 | 931706 | DS204 A-K25/0.03 | 2CSR254101R1257 | | 0.775 | 1 |
| | | 32 | 931805 | DS204 A-K32/0.03 | 2CSR254101R1327 | | 0.775 | 1 |
| | | 40 | 931904 | DS204 A-K40/0.03 | 2CSR254101R1407 | | 0.775 | 1 |
| | | 50 ① | 932000 | DS204 A-K50/0.03 | 2CSR254101R1507 | | 0.775 | 1 |
| | | 63 ① | 932109 | DS204 A-K63/0.03 | 2CSR254101R1637 | | 0.775 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 M series 10000 - AC  type, B characteristic



DS 202



DS 203



DS 204

DS 200 M AC type, B characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

I_{cn} = 10 kA

| Number of poles | Rated residual current I _{Δn} mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------|--------------------|---------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 932208 | DS202 M AC-B6/0.03 | 2CSR272001R1065 | | 0.440 | 1 |
| | | 10 | 932307 | DS202 M AC-B10/0.03 | 2CSR272001R1105 | | 0.440 | 1 |
| | | 13 | 932406 | DS202 M AC-B13/0.03 | 2CSR272001R1135 | | 0.440 | 1 |
| | | 16 | 932505 | DS202 M AC-B16/0.03 | 2CSR272001R1165 | | 0.440 | 1 |
| | | 20 | 932604 | DS202 M AC-B20/0.03 | 2CSR272001R1205 | | 0.440 | 1 |
| | | 25 | 932703 | DS202 M AC-B25/0.03 | 2CSR272001R1255 | | 0.440 | 1 |
| | | 32 | 932802 | DS202 M AC-B32/0.03 | 2CSR272001R1325 | | 0.440 | 1 |
| | | 40 | 932901 | DS202 M AC-B40/0.03 | 2CSR272001R1405 | | 0.440 | 1 |
| | | 50 ① | 933007 | DS202 M AC-B50/0.03 | 2CSR272001R1505 | | 0.440 | 1 |
| | | 63 ① | 933106 | DS202 M AC-B63/0.03 | 2CSR272001R1635 | | 0.440 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------|--------------------|---------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 6 | 933205 | DS203 M AC-B6/0.03 | 2CSR273001R1065 | | 0.610 | 1 |
| | | 10 | 933304 | DS203 M AC-B10/0.03 | 2CSR273001R1105 | | 0.610 | 1 |
| | | 13 | 933403 | DS203 M AC-B13/0.03 | 2CSR273001R1135 | | 0.610 | 1 |
| | | 16 | 933502 | DS203 M AC-B16/0.03 | 2CSR273001R1165 | | 0.610 | 1 |
| | | 20 | 933601 | DS203 M AC-B20/0.03 | 2CSR273001R1205 | | 0.610 | 1 |
| | | 25 | 933700 | DS203 M AC-B25/0.03 | 2CSR273001R1255 | | 0.610 | 1 |
| | | 32 | 933809 | DS203 M AC-B32/0.03 | 2CSR273001R1325 | | 0.610 | 1 |
| | | 40 | 933908 | DS203 M AC-B40/0.03 | 2CSR273001R1405 | | 0.610 | 1 |
| | | 50 ① | 934004 | DS203 M AC-B50/0.03 | 2CSR273001R1505 | | 0.650 | 1 |
| | | 63 ① | 934103 | DS203 M AC-B63/0.03 | 2CSR273001R1635 | | 0.650 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current In A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------|--------------------|---------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 6 | 934202 | DS204 M AC-B6/0.03 | 2CSR274001R1065 | | 0.780 | 1 |
| | | 10 | 934301 | DS204 M AC-B10/0.03 | 2CSR274001R1105 | | 0.780 | 1 |
| | | 13 | 934400 | DS204 M AC-B13/0.03 | 2CSR274001R1135 | | 0.780 | 1 |
| | | 16 | 934509 | DS204 M AC-B16/0.03 | 2CSR274001R1165 | | 0.780 | 1 |
| | | 20 | 934608 | DS204 M AC-B20/0.03 | 2CSR274001R1205 | | 0.780 | 1 |
| | | 25 | 934707 | DS204 M AC-B25/0.03 | 2CSR274001R1255 | | 0.780 | 1 |
| | | 32 | 934806 | DS204 M AC-B32/0.03 | 2CSR274001R1325 | | 0.780 | 1 |
| | | 40 | 934905 | DS204 M AC-B40/0.03 | 2CSR274001R1405 | | 0.780 | 1 |
| | | 50 ① | 935001 | DS204 M AC-B50/0.03 | 2CSR274001R1505 | | 0.825 | 1 |
| | | 63 ① | 935100 | DS204 M AC-B63/0.03 | 2CSR274001R1635 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 M series 10000 - AC  type, C characteristic



DS 202



DS 203



DS 204

DS 200 M AC type, C characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

I_{cn} = 10 kA


| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|-----------------|---------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 6 | 851509 | DS202 M AC-C6/0.03 | 2CSR272001R1064 | | 0.440 | 1 |
| | | 10 | 851608 | DS202 M AC-C10/0.03 | 2CSR272001R1104 | | 0.440 | 1 |
| | | 13 | 851707 | DS202 M AC-C13/0.03 | 2CSR272001R1134 | | 0.440 | 1 |
| | | 16 | 851806 | DS202 M AC-C16/0.03 | 2CSR272001R1164 | | 0.440 | 1 |
| | | 20 | 851905 | DS202 M AC-C20/0.03 | 2CSR272001R1204 | | 0.440 | 1 |
| | | 25 | 852001 | DS202 M AC-C25/0.03 | 2CSR272001R1254 | | 0.440 | 1 |
| | | 32 | 852100 | DS202 M AC-C32/0.03 | 2CSR272001R1324 | | 0.440 | 1 |
| | | 40 | 852209 | DS202 M AC-C40/0.03 | 2CSR272001R1404 | | 0.440 | 1 |
| | | 50 ① | 852308 | DS202 M AC-C50/0.03 | 2CSR272001R1504 | | 0.440 | 1 |
| | | 63 ① | 852407 | DS202 M AC-C63/0.03 | 2CSR272001R1634 | | 0.440 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|-----------------|---------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 6 | 852506 | DS203 M AC-C6/0.03 | 2CSR273001R1064 | | 0.610 | 1 |
| | | 10 | 852605 | DS203 M AC-C10/0.03 | 2CSR273001R1104 | | 0.610 | 1 |
| | | 13 | 852704 | DS203 M AC-C13/0.03 | 2CSR273001R1134 | | 0.610 | 1 |
| | | 16 | 852803 | DS203 M AC-C16/0.03 | 2CSR273001R1164 | | 0.610 | 1 |
| | | 20 | 852902 | DS203 M AC-C20/0.03 | 2CSR273001R1204 | | 0.610 | 1 |
| | | 25 | 853008 | DS203 M AC-C25/0.03 | 2CSR273001R1254 | | 0.610 | 1 |
| | | 32 | 853107 | DS203 M AC-C32/0.03 | 2CSR273001R1324 | | 0.610 | 1 |
| | | 40 | 853206 | DS203 M AC-C40/0.03 | 2CSR273001R1404 | | 0.610 | 1 |
| | | 50 ① | 853305 | DS203 M AC-C50/0.03 | 2CSR273001R1504 | | 0.650 | 1 |
| | | 63 ① | 853404 | DS203 M AC-C63/0.03 | 2CSR273001R1634 | | 0.650 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|-----------------|---------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 6 | 853503 | DS204 M AC-C6/0.03 | 2CSR274001R1064 | | 0.780 | 1 |
| | | 10 | 853602 | DS204 M AC-C10/0.03 | 2CSR274001R1104 | | 0.780 | 1 |
| | | 13 | 853701 | DS204 M AC-C13/0.03 | 2CSR274001R1134 | | 0.780 | 1 |
| | | 16 | 853800 | DS204 M AC-C16/0.03 | 2CSR274001R1164 | | 0.780 | 1 |
| | | 20 | 853909 | DS204 M AC-C20/0.03 | 2CSR274001R1204 | | 0.780 | 1 |
| | | 25 | 854005 | DS204 M AC-C25/0.03 | 2CSR274001R1254 | | 0.780 | 1 |
| | | 32 | 854104 | DS204 M AC-C32/0.03 | 2CSR274001R1324 | | 0.780 | 1 |
| | | 40 | 854203 | DS204 M AC-C40/0.03 | 2CSR274001R1404 | | 0.780 | 1 |
| | | 50 ① | 854302 | DS204 M AC-C50/0.03 | 2CSR274001R1504 | | 0.825 | 1 |
| | | 63 ① | 854401 | DS204 M AC-C63/0.03 | 2CSR274001R1634 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 M series 10000 - A  type, B characteristic



DS 202



DS 203



DS 204

DS 200 M A type, B characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

I_{cn} = 10 kA

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 40 | 846208 | DS202 M A-B40/0.03 | 2CSR272101R1405 | | 0.440 | 1 |
| | | 50 ① | 846307 | DS202 M A-B50/0.03 | 2CSR272101R1505 | | 0.440 | 1 |
| | | 63 ① | 846406 | DS202 M A-B63/0.03 | 2CSR272101R1635 | | 0.440 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 6 | 846505 | DS203 M A-B6/0.03 | 2CSR273101R1065 | | 0.610 | 1 |
| | | 10 | 846604 | DS203 M A-B10/0.03 | 2CSR273101R1105 | | 0.610 | 1 |
| | | 13 | 846703 | DS203 M A-B13/0.03 | 2CSR273101R1135 | | 0.610 | 1 |
| | | 16 | 846802 | DS203 M A-B16/0.03 | 2CSR273101R1165 | | 0.610 | 1 |
| | | 20 | 846901 | DS203 M A-B20/0.03 | 2CSR273101R1205 | | 0.610 | 1 |
| | | 25 | 847007 | DS203 M A-B25/0.03 | 2CSR273101R1255 | | 0.610 | 1 |
| | | 32 | 847106 | DS203 M A-B32/0.03 | 2CSR273101R1325 | | 0.610 | 1 |
| | | 40 | 847205 | DS203 M A-B40/0.03 | 2CSR273101R1405 | | 0.610 | 1 |
| | | 50 ① | 847304 | DS203 M A-B50/0.03 | 2CSR273101R1505 | | 0.650 | 1 |
| | | 63 ① | 847403 | DS203 M A-B63/0.03 | 2CSR273101R1635 | | 0.650 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 6 | 847502 | DS204 M A-B6/0.03 | 2CSR274101R1065 | | 0.780 | 1 |
| | | 10 | 847601 | DS204 M A-B10/0.03 | 2CSR274101R1105 | | 0.780 | 1 |
| | | 13 | 847700 | DS204 M A-B13/0.03 | 2CSR274101R1135 | | 0.780 | 1 |
| | | 16 | 847809 | DS204 M A-B16/0.03 | 2CSR274101R1165 | | 0.780 | 1 |
| | | 20 | 847908 | DS204 M A-B20/0.03 | 2CSR274101R1205 | | 0.780 | 1 |
| | | 25 | 848004 | DS204 M A-B25/0.03 | 2CSR274101R1255 | | 0.780 | 1 |
| | | 32 | 848103 | DS204 M A-B32/0.03 | 2CSR274101R1325 | | 0.780 | 1 |
| | | 40 | 848202 | DS204 M A-B40/0.03 | 2CSR274101R1405 | | 0.780 | 1 |
| | | 50 ① | 848301 | DS204 M A-B50/0.03 | 2CSR274101R1505 | | 0.825 | 1 |
| | | 63 ① | 848400 | DS204 M A-B63/0.03 | 2CSR274101R1635 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS 200 M series 10000 - A  type, C characteristic



DS 202



DS 203

DS 200 M A type, C characteristic

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

I_{cn} = 10 kA


| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 2 | 30 | 40 | 849209 | DS202 M A-C40/0.03 | 2CSR272101R1404 | | 0.440 | 1 |
| | | 50 ① | 849308 | DS202 M A-C50/0.03 | 2CSR272101R1504 | | 0.440 | 1 |
| | | 63 ① | 849407 | DS202 M A-C63/0.03 | 2CSR272101R1634 | | 0.440 | 1 |

| Number of poles | Rated residual current I _{Δn} mA | Rated current I _n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------------|--------------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | Type code | Order code | | | |
| 3 | 30 | 6 | 849506 | DS203 M A-C6/0.03 | 2CSR273101R1064 | | 0.610 | 1 |
| | | 10 | 849605 | DS203 M A-C10/0.03 | 2CSR273101R1104 | | 0.610 | 1 |
| | | 13 | 849704 | DS203 M A-C13/0.03 | 2CSR273101R1134 | | 0.610 | 1 |
| | | 16 | 849803 | DS203 M A-C16/0.03 | 2CSR273101R1164 | | 0.610 | 1 |
| | | 20 | 849902 | DS203 M A-C20/0.03 | 2CSR273101R1204 | | 0.610 | 1 |
| | | 25 | 850007 | DS203 M A-C25/0.03 | 2CSR273101R1254 | | 0.610 | 1 |
| | | 32 | 850106 | DS203 M A-C32/0.03 | 2CSR273101R1324 | | 0.610 | 1 |
| | | 40 | 850205 | DS203 M A-C40/0.03 | 2CSR273101R1404 | | 0.610 | 1 |
| | | 50 ① | 850304 | DS203 M A-C50/0.03 | 2CSR273101R1504 | | 0.650 | 1 |
| | | 63 ① | 850403 | DS203 M A-C63/0.03 | 2CSR273101R1634 | | 0.650 | 1 |

① provided with additional terminals for remote tripping



RCBOs

DS 200 M series 10000 - A  type, C characteristic



DS 204

| Number of poles | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 8012542 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|---|--------------------------|---------------------------|--------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | Type code | Order code | | | |
| 4 | 30 | 6 | 850502 | DS204 M A-C6/0.03 | 2CSR274101R1064 | | 0.780 | 1 |
| | | 10 | 850601 | DS204 M A-C10/0.03 | 2CSR274101R1104 | | 0.780 | 1 |
| | | 13 | 850700 | DS204 M A-C13/0.03 | 2CSR274101R1134 | | 0.780 | 1 |
| | | 16 | 850809 | DS204 M A-C16/0.03 | 2CSR274101R1164 | | 0.780 | 1 |
| | | 20 | 850908 | DS204 M A-C20/0.03 | 2CSR274101R1204 | | 0.780 | 1 |
| | | 25 | 851004 | DS204 M A-C25/0.03 | 2CSR274101R1254 | | 0.780 | 1 |
| | | 32 | 851103 | DS204 M A-C32/0.03 | 2CSR274101R1324 | | 0.780 | 1 |
| | | 40 | 851202 | DS204 M A-C40/0.03 | 2CSR274101R1404 | | 0.780 | 1 |
| | | 50 ① | 851301 | DS204 M A-C50/0.03 | 2CSR274101R1504 | | 0.825 | 1 |
| | | 63 ① | 851400 | DS204 M A-C63/0.03 | 2CSR274101R1634 | | 0.825 | 1 |

① provided with additional terminals for remote tripping

RCBOs

DS800 technical features



DS800S

| Standards | | | |
|-------------------------------------|--|------------------------------------|-----------------|
| Electrical features | Operating characteristic: type (wave form of the earth leakage sensed) | | |
| | Poles | | |
| | Rated sensitivity $I_{\Delta n}$ | | A |
| | Rated current I_n | | A |
| | Rated voltage U_e | | V |
| | Insulation voltage U_i | | V |
| | Operating voltage of circuit test U_t | | V |
| | Rated frequency | | Hz |
| | Rated ultimate short-circuit breaking capacity I_{cu} | 240/415 V AC | kA |
| | | 254/440 V AC | kA |
| | | 289/500 V AC | kA |
| | | 400/690 V AC | kA |
| | Rated service short-circuit breaking capacity I_{cs} | 240/415 V AC | kA |
| | | 254/440 V AC | kA |
| | | 289/500 V AC | kA |
| | | 400/690 V AC | kA |
| | Rated impulse withstand voltage (1.2/50) U_{imp} | | kV |
| | Dielectric test voltage at ind. freq. for 1 min. | | kV |
| | Thermomagnetic release characteristic | B: $3 I_n \leq I_m \leq 5 I_n$ | |
| | | C: $5 I_n \leq I_m \leq 10 I_n$ | |
| | | D**: $10 I_n \leq I_m \leq 20 I_n$ | |
| | | K**: $8 I_n \leq I_m \leq 14 I_n$ | |
| | Surge current resistance acc. to VDE 0432 Part 2 (wave 8/20) | | A |
| Mechanical features | Toggle | | |
| | Electrical life | | |
| | Mechanical life | | |
| | Protection degree | housing | |
| | | terminals | |
| | Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | °C/RH |
| | Ambient temperature (with daily average $\leq + 35$ °C) | | °C |
| | Storage temperature | | °C |
| Installation | Terminal size for cables | flexible | mm ² |
| | | rigid | mm ² |
| | Tightening torque | | Nm |
| | Mounting | | |
| Dimensions and weight | Dimensions (H x D x W) | 2P | mm |
| | | 3P | mm |
| | | 4P | mm |
| | Weight | 2P | g |
| | | 3P | g |
| | | 4P | g |
| Combination with auxiliary elements | Combinable with: | auxiliary contact | |
| | | signal contact/auxiliary switch | |
| | | shunt trip | |
| | | undervoltage release | |

* 1A on 2P and 4P versions, while 0.3A only on 4P ones.

** as specified in standard IEC/EN 60947-2 the device withstands $I_m \leq 6 I_n$ with guaranteed non intervention

RCBOs

DS800 technical features

| DS800S A | DS800N A | DS800S A S | DS800N A S | DS800S A AP-R | DS800N A AP-R |
|---|----------|------------|------------|---------------|---------------|
| IEC/EN 60947-2 | | | | | |
| A | | A | | A | |
| 2P, 3P, 4P | | 2P,4P | | 2P, 3P, 4P | |
| 0.3 | | 0.3-1(*) | | 0.03 | |
| 125 | | | | | |
| 230/400-240/415-400/690 | | | | | |
| 690 | | | | | |
| 195-690 | | | | | |
| 50...60 | | | | | |
| 50 | 36 | 50 | 36 | 50 | 36 |
| 30 | 20 | 30 | 20 | 30 | 20 |
| 10 | 10 | 10 | 10 | 10 | 10 |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 40 | 30 | 40 | 30 | 40 | 30 |
| 15 | 10 | 15 | 10 | 15 | 10 |
| 5 | 5 | 5 | 5 | 5 | 5 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 6 | | | | | |
| 2.5 | | | | | |
| ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | | ■ | | ■ | |
| NA | NA | 5000 | 5000 | 3000 | 3000 |
| black (MCB) sealable in ON-OFF position + blue (RCD) operating just from OFF position | | | | | |
| 10000 | | | | | |
| 20000 | | | | | |
| IP4X | | | | | |
| IP2X | | | | | |
| 28 cycles with 55°C/90-96% and 25°C/95-100% | | | | | |
| -25...+60 | | | | | |
| -40...+70 | | | | | |
| 6...50 | | | | | |
| 6...70 | | | | | |
| min. 3 / max. 4 | | | | | |
| on DIN rail EN 60715 (35 mm) by means of rapid fixing device | | | | | |
| 108,2 x 82,3 x 133.5 | | | | | |
| 108,2 x 82,3 x 196 | | | | | |
| 108,2 x 82,3 x 223 | | | | | |
| 790 | | | | | |
| 1140 | | | | | |
| 1440 | | | | | |
| yes | | | | | |
| yes | | | | | |
| yes | | | | | |
| yes | | | | | |

RCBOs

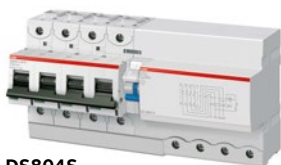
DS800S series 50000 A  type B, C, D and K characteristic



DS802S



DS803S



DS804S

DS800S, A type

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts; command and isolation of resistive and inductive loads.

Application: industrial.

Standard: IEC/EN 60947-2

Icu = 50 kA

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|-------|---|-----------------------|--------------------|------------------|-----------------|------------------|-------------------|-----------|
| | | | | | Type code | Order code | | | |
| 2 | B | 300 | 125 | 211721 | DS802S-B125/0.3A | 2CCA862005R0845 | | 0.790 | 1 |
| | C | 300 | 125 | 211738 | DS802S-C125/0.3A | 2CCA862005R0844 | | 0.790 | 1 |
| | D | 300 | 125 | 211745 | DS802S-D125/0.3A | 2CCA862005R0841 | | 0.790 | 1 |
| | K | 300 | 125 | 211752 | DS802S-K125/0.3A | 2CCA862005R0647 | | 0.790 | 1 |

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|-------|---|-----------------------|--------------------|------------------|-----------------|------------------|-------------------|-----------|
| | | | | | Type code | Order code | | | |
| 3 | B | 300 | 125 | 211769 | DS803S-B125/0.3A | 2CCA863005R0845 | | 1.14 | 1 |
| | C | 300 | 125 | 211776 | DS803S-C125/0.3A | 2CCA863005R0844 | | 1.14 | 1 |
| | D | 300 | 125 | 211783 | DS803S-D125/0.3A | 2CCA863005R0841 | | 1.14 | 1 |
| | K | 300 | 125 | 211790 | DS803S-K125/0.3A | 2CCA863005R0647 | | 1.14 | 1 |

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|-------|---|-----------------------|--------------------|------------------|-----------------|------------------|-------------------|-----------|
| | | | | | Type code | Order code | | | |
| 4 | B | 300 | 125 | 211806 | DS804S-B125/0.3A | 2CCA864005R0845 | | 1.44 | 1 |
| | C | 300 | 125 | 211813 | DS804S-C125/0.3A | 2CCA864005R0844 | | 1.44 | 1 |
| | D | 300 | 125 | 211820 | DS804S-D125/0.3A | 2CCA864005R0841 | | 1.44 | 1 |
| | K | 300 | 125 | 211837 | DS804S-K125/0.3A | 2CCA864005R0647 | | 1.44 | 1 |

RCBOs

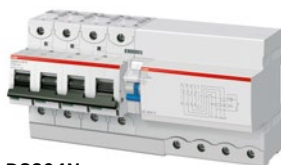
DS800N series 36000 A  type B, C and D characteristics



DS802N



DS803N



DS804N

DS800N, A type

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts; command and isolation of resistive and inductive loads.

Application: industrial.

Standard: IEC/EN 60947-2

Icu = 36 kA

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---|-----------------------|--------------------|------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | | Type code | Order code | | | |
| 2 | B | 300 | 125 | 211844 | DS802N-B125/0.3A | 2CCA892005R0845 | | 0.790 | 1 |
| | C | 300 | 125 | 211851 | DS802N-C125/0.3A | 2CCA892005R0844 | | 0.790 | 1 |
| | D | 300 | 125 | 211868 | DS802N-D125/0.3A | 2CCA892005R0841 | | 0.790 | 1 |

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---|-----------------------|--------------------|------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | | Type code | Order code | | | |
| 3 | B | 300 | 125 | 211875 | DS803N-B125/0.3A | 2CCA893005R0845 | | 1.14 | 1 |
| | C | 300 | 125 | 211882 | DS803N-C125/0.3A | 2CCA893005R0844 | | 1.14 | 1 |
| | D | 300 | 125 | 211899 | DS803N-D125/0.3A | 2CCA893005R0841 | | 1.14 | 1 |

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---|-----------------------|--------------------|------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | | Type code | Order code | | | |
| 4 | B | 300 | 125 | 211905 | DS804N-B125/0.3A | 2CCA894005R0845 | | 1.44 | 1 |
| | C | 300 | 125 | 211912 | DS804N-C125/0.3A | 2CCA894005R0844 | | 1.44 | 1 |
| | D | 300 | 125 | 211929 | DS804N-D125/0.3A | 2CCA894005R0841 | | 1.44 | 1 |

RCBOs

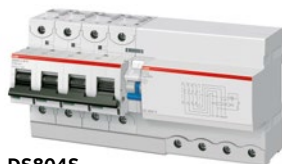
DS800S series 50000 A  type selective B, C, D and K characteristics



DS802S



DS803S



DS804S

DS800S, A selective type

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents with an intentional tripping delay, which allows to realize the selectivity with downstream instantaneous devices (for more information about selectivity see the technical guide); protection against indirect contacts; command and isolation of resistive and inductive loads.

Application: industrial.

Standard: IEC/EN 60947-2

Icu = 50 kA

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|-------|---|-----------------------|--------------------|-----------------|-----------------|------------------|-------------------|--------------|
| | | | | | Type code | Order code | | kg | pc. |
| 2 | B | 1000 | 125 | 211516 | DS802S-B125/1AS | 2CCC862006R0845 | | 0.790 | 1 |
| | C | 1000 | 125 | 211523 | DS802S-C125/1AS | 2CCC862006R0844 | | 0.790 | 1 |
| | D | 1000 | 125 | 211530 | DS802S-D125/1AS | 2CCC862006R0841 | | 0.790 | 1 |
| | K | 1000 | 125 | 211547 | DS802S-K125/1AS | 2CCC862006R0647 | | 0.790 | 1 |

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|-------|---|-----------------------|--------------------|-------------------|-----------------|------------------|-------------------|--------------|
| | | | | | Type code | Order code | | kg | pc. |
| 4 | B | 300 | 125 | 211554 | DS804S-B125/0.3AS | 2CCC864005R0845 | | 1.44 | 1 |
| | | 1000 | 125 | 211592 | DS804S-B125/1AS | 2CCC864006R0845 | | 1.44 | 1 |
| | C | 300 | 125 | 211561 | DS804S-C125/0.3AS | 2CCC864005R0844 | | 1.44 | 1 |
| | | 1000 | 125 | 211608 | DS804S-C125/1AS | 2CCC864006R0844 | | 1.44 | 1 |
| | D | 300 | 125 | 211578 | DS804S-D125/0.3AS | 2CCC864005R0841 | | 1.44 | 1 |
| | | 1000 | 125 | 211615 | DS804S-D125/1AS | 2CCC864006R0841 | | 1.44 | 1 |
| | K | 300 | 125 | 211685 | DS804S-K125/0.3AS | 2CCC864005R0647 | | 1.44 | 1 |
| | | 1000 | 125 | 211622 | DS804S-K125/1AS | 2CCC864006R0647 | | 1.44 | 1 |

RCBOs

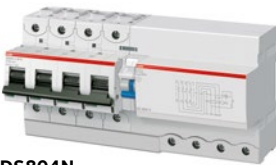
DS800N series 36000 A  type selective B, C and D characteristics



DS802N



DS803N



DS804N

DS800N, A selective type

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents with an intentional tripping delay, which allows to realize the selectivity with downstream instantaneous devices (for more information about selectivity see the technical guide); protection against indirect contacts; command and isolation of resistive and inductive loads.

Application: industrial.

Standard: IEC/EN 60947-2

Icu = 36 kA

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|-------|---|-----------------------|--------------------|-----------------|-----------------|------------------|-------------------|-----------|
| | | | | | Type code | Order code | | | |
| 2 | B | 1000 | 125 | 211639 | DS802N-B125/1AS | 2CCC892006R0845 | | 0.790 | 1 |
| | C | 1000 | 125 | 211646 | DS802N-C125/1AS | 2CCC892006R0844 | | 0.790 | 1 |
| | D | 1000 | 125 | 211653 | DS802N-D125/1AS | 2CCC892006R0841 | | 0.790 | 1 |

| Number of poles | Curve | Rated residual current I Δ n mA | Rated current In A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-----------------|-------|---|-----------------------|--------------------|-------------------|-----------------|------------------|-------------------|-----------|
| | | | | | Type code | Order code | | | |
| 4 | B | 300 | 125 | 211660 | DS804N-B125/0.3AS | 2CCC894005R0845 | | 1.44 | 1 |
| | | 1000 | 125 | 211691 | DS804N-B125/1AS | 2CCC894006R0845 | | 1.44 | 1 |
| | C | 300 | 125 | 211677 | DS804N-C125/0.3AS | 2CCC894005R0844 | | 1.44 | 1 |
| | | 1000 | 125 | 211707 | DS804N-C125/1AS | 2CCC894006R0844 | | 1.44 | 1 |
| | D | 300 | 125 | 211684 | DS804N-D125/0.3AS | 2CCC894005R0841 | | 1.44 | 1 |
| | | 1000 | 125 | 211714 | DS804N-D125/1AS | 2CCC894006R0841 | | 1.44 | 1 |

RCBOs

DS800S series 50000 A type, AP-R (high immunity) B, C, D and K characteristics



DS802S



DS803S



DS804S

DS800S AP-R, A type

Function: protection against the effects of sinusoidal alternating earth fault currents, providing the best compromise between safety and continuity in the service thanks to the resistance to unwanted trippings; protection against indirect contacts and additional protection against direct contacts ($I\Delta n=30$ mA); protection and isolation of resistive and inductive loads.

Application: industrial.

Standard: IEC/EN 60947-2

Icu = 50 kA

| Number of poles | Curve | Rated residual current $I\Delta n$ mA | Rated current I_n A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---------------------------------------|-----------------------|-----------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | | Type code | Order code | | | |
| 2 | B | 30 | 125 | 211301 | DS802SB125 /03AP-R | 2CCB862004R0845 | | 0.790 | 1 |
| | C | 30 | 125 | 211318 | DS802SC125 /03AP-R | 2CCB862004R0844 | | 0.790 | 1 |
| | D | 30 | 125 | 211325 | DS802SD125 /03AP-R | 2CCB862004R0841 | | 0.790 | 1 |
| | K | 30 | 125 | 211332 | DS802SK125 /03AP-R | 2CCB862004R0647 | | 0.790 | 1 |

| Number of poles | Curve | Rated residual current $I\Delta n$ mA | Rated current I_n A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---------------------------------------|-----------------------|-----------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | | Type code | Order code | | | |
| 3 | B | 30 | 125 | 211349 | DS803SB125 /03AP-R | 2CCB863004R0845 | | 1.14 | 1 |
| | C | 30 | 125 | 211356 | DS803SC125 /03AP-R | 2CCB863004R0844 | | 1.14 | 1 |
| | D | 30 | 125 | 211363 | DS803SD125 /03AP-R | 2CCB863004R0841 | | 1.14 | 1 |
| | K | 30 | 125 | 211370 | DS803SK125 /03AP-R | 2CCB863004R0647 | | 1.14 | 1 |

| Number of poles | Curve | Rated residual current $I\Delta n$ mA | Rated current I_n A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---------------------------------------|-----------------------|-----------------|--------------------|-----------------|---------------|-------------------|---------------|
| | | | | | Type code | Order code | | | |
| 4 | B | 30 | 125 | 211387 | DS804SB125 /03AP-R | 2CCB864004R0845 | | 1.44 | 1 |
| | C | 30 | 125 | 211394 | DS804SC125 /03AP-R | 2CCB864004R0844 | | 1.44 | 1 |
| | D | 30 | 125 | 211400 | DS804SD125 /03AP-R | 2CCB864004R0841 | | 1.44 | 1 |
| | K | 30 | 125 | 211417 | DS804SK125 /03AP-R | 2CCB864004R0647 | | 1,44 | 1 |

RCBOs

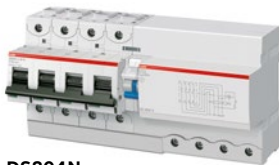
DS800N series 36000 A  type, AP-R (high immunity) B, C and D characteristics



DS802N



DS803N



DS804N

DS800N AP-R, A type

Function: protection against the effects of sinusoidal alternating earth fault currents, providing the best compromise between safety and continuity in the service thanks to the resistance to unwanted trippings; protection against indirect contacts and additional protection against direct contacts ($I_{\Delta n}=30$ mA); protection and isolation of resistive and inductive loads.

Application: industrial.

Standard: IEC/EN 60947-2

Icu = 36 kA

| Number of poles | Curve | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---|--------------------------|--------------------|------------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | | Type code | Order code | | | |
| 2 | B | 30 | 125 | 211424 | DS802NB125 /.03AP-R | 2CCB892004R0845 | | 0.790 | 1 |
| | C | 30 | 125 | 211431 | DS802NC125 /.03AP-R | 2CCB892004R0844 | | 0.790 | 1 |
| | D | 30 | 125 | 211448 | DS802ND125 /.03AP-R | 2CCB892004R0841 | | 0.790 | 1 |

| Number of poles | Curve | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---|--------------------------|--------------------|------------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | | Type code | Order code | | | |
| 3 | B | 30 | 125 | 211455 | DS803NB125 /.03AP-R | 2CCB893004R0845 | | 1.14 | 1 |
| | C | 30 | 125 | 211462 | DS803NC125 /.03AP-R | 2CCB893004R0844 | | 1.14 | 1 |
| | D | 30 | 125 | 211479 | DS803ND125 /.03AP-R | 2CCB893004R0841 | | 1.14 | 1 |

| Number of poles | Curve | Rated residual current $I_{\Delta n}$ mA | Rated current I_n A | Bbn 7612271 EAN | Order details | | Price 1 piece | Weight 1 piece kg | Pack unit pc. |
|-----------------|-------|---|--------------------------|--------------------|------------------------|-----------------|------------------|-------------------------|---------------------|
| | | | | | Type code | Order code | | | |
| 4 | B | 30 | 125 | 211486 | DS804NB125 /.03AP-R | 2CCB894004R0845 | | 1.44 | 1 |
| | C | 30 | 125 | 211493 | DS804NC125 /.03AP-R | 2CCB894004R0844 | | 1.44 | 1 |
| | D | 30 | 125 | 211509 | DS804ND125 /.03AP-R | 2CCB894004R0841 | | 1.44 | 1 |

eRCBO, the value of quality

Made with attention to details

Space for insulated screwdrivers

The larger neutral hole allows the use of an insulated screwdriver to tighten the screw of neutral terminals, ensuring maximum operation safety. All versions are equipped with cage type terminals (16mm² load side), with tightening torque of 1.2 Nm.

Product coding

All the necessary technical and installation information can be found directly on the device.

Product range, tripping characteristics, rated currents, sensitivity, type, breaking capacity, rated voltage, order code, EAN code, electrical scheme, reference standards and many other specifications are laser printed on the front and side of units.

Easy to install

Fast installation is supported by the two flying leads for neutral cable and functional earth, each integrated in the device, which can be directly connected to the main neutral bar and main earth bar.

Anti counterfeiting

Each DSE201 is equipped with a RFID tag containing a unique serial number assigned by ABB according to ISO/IEC FCD 15693-3 standard in order to authenticate the product. Through this unique serial number, ABB can easily identify counterfeited products and verify the authenticity of each single device.

In control

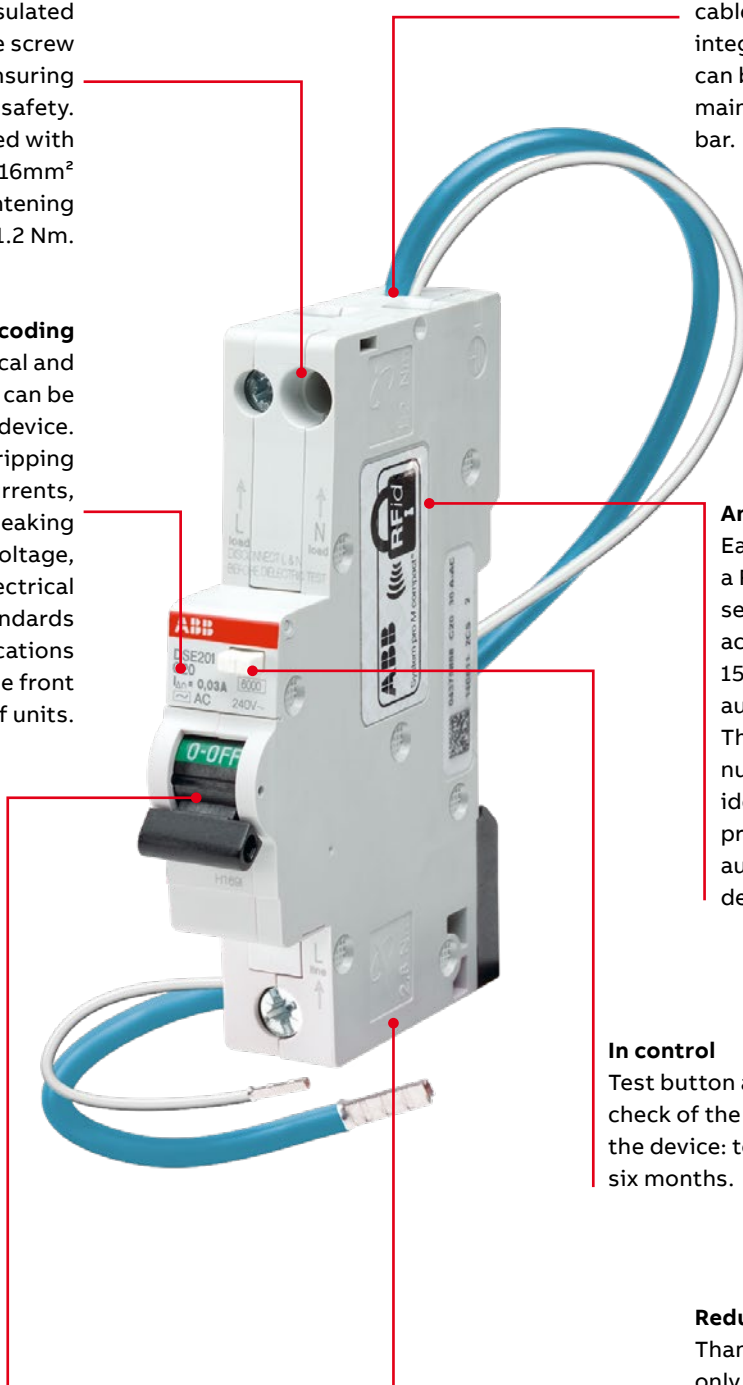
Test button allows the regular check of the functionality of the device: to be pushed every six months.

Reduced height

Thanks to its reduced height, only 100 mm, DSE201 makes easier wiring operation inside the consumer unit or the distribution board.

Real contact position indicator on toggle

Directly connected to the moving contact of the device, it indicates the exact position of the contacts at all times (red: closed contacts, green: open contacts).



With its breaking capacity of 6kA in only one module width and 100mm height, the DSE201 series is the perfect solution for a complete protection in residential and light commercial applications. At home, in the office or in a shop,

these devices are essential for the safety of people, utilities and equipment, protecting not only against earth fault residual currents - due to loss of isolation or accidental contact with live parts - but also against overcurrents.



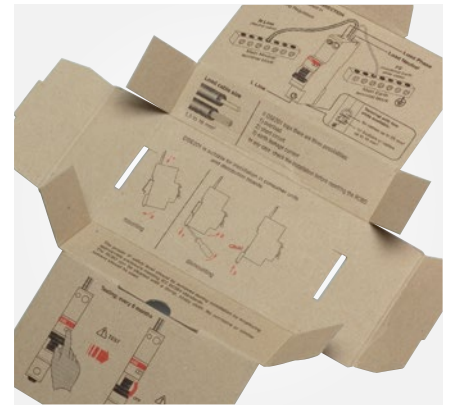
Double slot terminal

On the line side, the availability of a terminal with two slots allows to use different types of conductors: one housing is designed for cables up to 25 mm², the other for busbars or cables up to 10 mm².



Easy and flexible

The double clip eases dismounting even when the unit is installed in a high density system. A single device can be removed from the cluster without disconnecting other units. The same screwdriver used to tighten terminals can also be used to unlock the DIN rail fixing device of the unit.



Environmentally friendly

The user manual is an integral part of the package. The information have been printed inside the box to make easy the reading and to reduce consumption of paper.

DSE201

Technical features and overall dimensions

| Electrical features | | | |
|---|---------------------------------|--|--|
| Standards | | IEC 61009-1; IEC 61009-2-2; AS/NZS 61009 | |
| Type (wave form of the earth leakage sensed) | | AC, A | |
| Number of poles | | 1P+N | |
| Rated current I_n | A | $6 \leq I_n \leq 50$ | |
| Rated sensitivity $I_{\Delta n}$ | mA | 30 | |
| Rated voltage U_e | V | 230-240 | |
| Insulation voltage U_i | V | 500 V AC | |
| Overvoltage category | | III | |
| Pollution degree | | 2 | |
| Max. operating voltage | V | 264 | |
| Min. operating voltage for protection against $I_{\Delta n}$ residual sinusoidal alternating currents | V | 85 | |
| Operating voltage of circuit test | | V | 195 - 264 |
| Rated frequency | | Hz | 50/60 |
| Rated breaking capacity acc. to IEC 61009 | ultimate I_{cn} | A | 6000 |
| Rated residual breaking capacity $I_{\Delta m}$ | | kA | 6 |
| Rated impulse withstand voltage (1.2/50) U_{imp} | | kV | 4 kV (test voltage 6.2kV at sea level, 5kV at 2000m) |
| Dielectric test voltage at ind. freq. for 1 min. | | kV | 2.5 kV (50 / 60Hz, 1 min.) |
| Thermomagnetic release - characteristic | B: $3 I_n \leq I_m \leq 5 I_n$ | ■ | |
| | C: $5 I_n \leq I_m \leq 10 I_n$ | ■ | |
| Surge current resistance (wave 8/20) | | A | NA |
| Mechanical data | | | |
| Housing | | insulation group II, RAL 7035 | |
| Toggle | | insulation group IIIA, black, sealable in ON-OFF positions | |
| Contact position indication | | CPI on toggle (I ON / 0 OFF) | |
| Electrical life | | operations | 10000 |
| Mechanical life | | operations | 20000 |
| Protection degree | housing | IP4X | |
| | terminals | IP2X | |
| Shock resistance acc. to IEC/EN 60068-2-27 | | 30g - 2 shocks - 13ms | |
| Vibration resistance acc. to IEC/EN 60068-2-6 | | 0.35mm or 5g - 20 cycles at 5...150...5 Hz without load | |
| Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | | °C/RH | 28 cycles with 55°C/90-96% and 25°C/95-100% |
| Reference temperature for setting of thermal element | | °C | 30 |
| Ambient temperature (with daily average $\leq +35$ °C) | | °C | -25...+55 |
| Storage temperature | | °C | -40...+70 |

DSE201

Technical features and overall dimensions

| Installation | | | |
|--|--------------------|-----------------|--|
| Terminal type | top (load side) | | failsafe cage (shock protected) |
| | bottom (line side) | | failsafe bi-directional cylinder-lift terminal (shock protected) |
| Terminal size for cables | load side (top) | mm ² | 16 |
| | line side (bottom) | mm ² | 25 |
| Terminal size for busbars | load side (top) | | only for wire connection |
| | line side (bottom) | mm ² | 10 (Standard ABB busbar / distribution board system) |
| Tightening torque | top (load side) | Nm | 1.2 |
| | bottom (line side) | Nm | 2.8 |
| Neutral load cable | Type | | low smoke halogen free |
| | Lenght | mm | 750 |
| | Section | mm ² | 2.5 mm ² up to 20 A; 4 mm ² up to 50 A |
| | Color | | blue |
| Functional earth cable | Type | | low smoke halogen free |
| | Lenght | mm | 750 |
| | Section | mm ² | 0.75 |
| | Color | | white |
| Mounting | | | on DIN rail EN 60715 (35 mm) by means of fast clip device in consumer unit Type A according to IEC 61439-1&3, BS EN 61439-1&3, in distribution board Type B according to IEC 61439-1&3, BS EN 61439-1&3. |
| Supply from | | | bottom terminal |
| Dimensions and weight | | | |
| Dimensions (H x D x W) | | mm | 100 x 68.9 x 17.6 |
| Weight | | g | 180 |
| Combination with auxiliary elements | | | |
| Combinable with accessories and auxiliaries no | | | |

eRCBOs

DSE201 series 6000 A  type, B and C characteristic



DSE201 ... A30

DSE201 A type, B and C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: residential, light commercial

Standard: IEC 61009-1; IEC 61009-2-2

$I_{cn} = 6\,000 \text{ A}$

| N. of poles | Rated residual current IΔn [mA] | Rated Current In [A] | Bbn 8012542 EAN | Order details | | Weight 1 piece [kg] | Pack unit pc. |
|------------------|------------------------------------|-------------------------|-----------------------|-----------------|----------------|---------------------------|---------------------|
| | | | | Type code | Order code | | |
| B characteristic | | | | | | | |
| 1P+N | 30 | 6 | 399629 | 2CSR255151R1065 | DSE201 B6 A30 | 0.180 | 1 |
| | | 10 | 399728 | 2CSR255151R1105 | DSE201 B10 A30 | 0.180 | 1 |
| | | 16 | 658924 | 2CSR255151R1165 | DSE201 B16 A30 | 0.180 | 1 |
| | | 20 | 658429 | 2CSR255151R1205 | DSE201 B20 A30 | 0.180 | 1 |
| | | 25 | 659921 | 2CSR255151R1255 | DSE201 B25 A30 | 0.180 | 1 |
| | | 32 | 659426 | 2CSR255151R1325 | DSE201 B32 A30 | 0.180 | 1 |
| | | 40 | 658627 | 2CSR255151R1405 | DSE201 B40 A30 | 0.180 | 1 |
| | | 50 | 179337 | 2CSR255151R1505 | DSE201 B50 A30 | 0.200 | 1 |
| C characteristic | | | | | | | |
| 1P+N | 30 | 6 | 658122 | 2CSR255151R1064 | DSE201 C6 A30 | 0.180 | 1 |
| | | 10 | 659624 | 2CSR255151R1104 | DSE201 C10 A30 | 0.180 | 1 |
| | | 16 | 910923 | 2CSR255151R1164 | DSE201 C16 A30 | 0.180 | 1 |
| | | 20 | 659129 | 2CSR255151R1204 | DSE201 C20 A30 | 0.180 | 1 |
| | | 25 | 658726 | 2CSR255151R1254 | DSE201 C25 A30 | 0.180 | 1 |
| | | 32 | 658221 | 2CSR255151R1324 | DSE201 C32 A30 | 0.180 | 1 |
| | | 40 | 659723 | 2CSR255151R1404 | DSE201 C40 A30 | 0.180 | 1 |
| | | 50 | 349532 | 2CSR255151R1504 | DSE201 C50 A30 | 0.200 | 1 |

eRCBOs

DSE201 series 6000 AC type, B and C characteristic



DSE201 ... A30

DSE201 AC type, B and C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: residential, light commercial

Standard: IEC 61009-1; IEC 61009-2-2

$I_{cn} = 6\,000 \text{ A}$

| N. of poles | Rated residual current IΔn [mA] | Rated Current In [A] | Bbn 8012542 EAN | Order details | | Weight 1 piece [kg] | Pack unit pc. |
|------------------|------------------------------------|-------------------------|-----------------|-----------------|-----------------|---------------------|---------------|
| | | | | Type code | Order code | | |
| B characteristic | | | | | | | |
| 1P+N | 30 | 6 | 659228 | 2CSR255051R1065 | DSE201 B6 AC30 | 0.180 | 1 |
| | | 10 | 658825 | 2CSR255051R1105 | DSE201 B10 AC30 | 0.180 | 1 |
| | | 16 | 658320 | 2CSR255051R1165 | DSE201 B16 AC30 | 0.180 | 1 |
| | | 20 | 659822 | 2CSR255051R1205 | DSE201 B20 AC30 | 0.180 | 1 |
| | | 25 | 659327 | 2CSR255051R1255 | DSE201 B25 AC30 | 0.180 | 1 |
| | | 32 | 658528 | 2CSR255051R1325 | DSE201 B32 AC30 | 0.180 | 1 |
| | | 40 | 658023 | 2CSR255051R1405 | DSE201 B40 AC30 | 0.180 | 1 |
| | | 50 | 179238 | 2CSR255051R1505 | DSE201 B50 AC30 | 0.200 | 1 |
| C characteristic | | | | | | | |
| 1P+N | 30 | 6 | 659525 | 2CSR255051R1064 | DSE201 C6 AC30 | 0.180 | 1 |
| | | 10 | 910824 | 2CSR255051R1104 | DSE201 C10 AC30 | 0.180 | 1 |
| | | 16 | 659020 | 2CSR255051R1164 | DSE201 C16 AC30 | 0.180 | 1 |
| | | 20 | 660125 | 2CSR255051R1204 | DSE201 C20 AC30 | 0.180 | 1 |
| | | 25 | 660521 | 2CSR255051R1254 | DSE201 C25 AC30 | 0.180 | 1 |
| | | 32 | 660026 | 2CSR255051R1324 | DSE201 C32 AC30 | 0.180 | 1 |
| | | 40 | 660422 | 2CSR255051R1404 | DSE201 C40 AC30 | 0.180 | 1 |
| | | 50 | 349433 | 2CSR255051R1504 | DSE201 C50 AC30 | 0.200 | 1 |

DSE201 M, unique solution

Features, which make operations friendly

Space for insulated screwdrivers

The larger neutral hole allows the use of an insulated screwdriver to tighten the screw of neutral terminals, ensuring maximum operation safety. All versions are equipped with cage type terminals (16mm² load side), with tightening torque of 1.2 Nm.

Earth fault indicator

Blue window in the front of the device to detect any earth fault trip: the cause of trip of the device can be identified in a short time, reducing the downtime for maintenance. DSE201M is the only device equipped with an earth fault indicator between one module width electronic RCBOs.

Real contact position indicator below the toggle

Directly linked to the moving contact of the device, the green/red window in the front of the device can identify the current position of the contacts (open/closed) independently on the toggle position.

Combination with auxiliary elements

A platform suitable for quick installation in combination with the standard auxiliary elements that can be mounted with RCDs and MCBs.

Easy to install

Fast installation is supported by the two flying leads for neutral cable and functional earth, each integrated in the device, which can be directly connected to the main neutral bar and main earth bar.

Anti counterfeiting

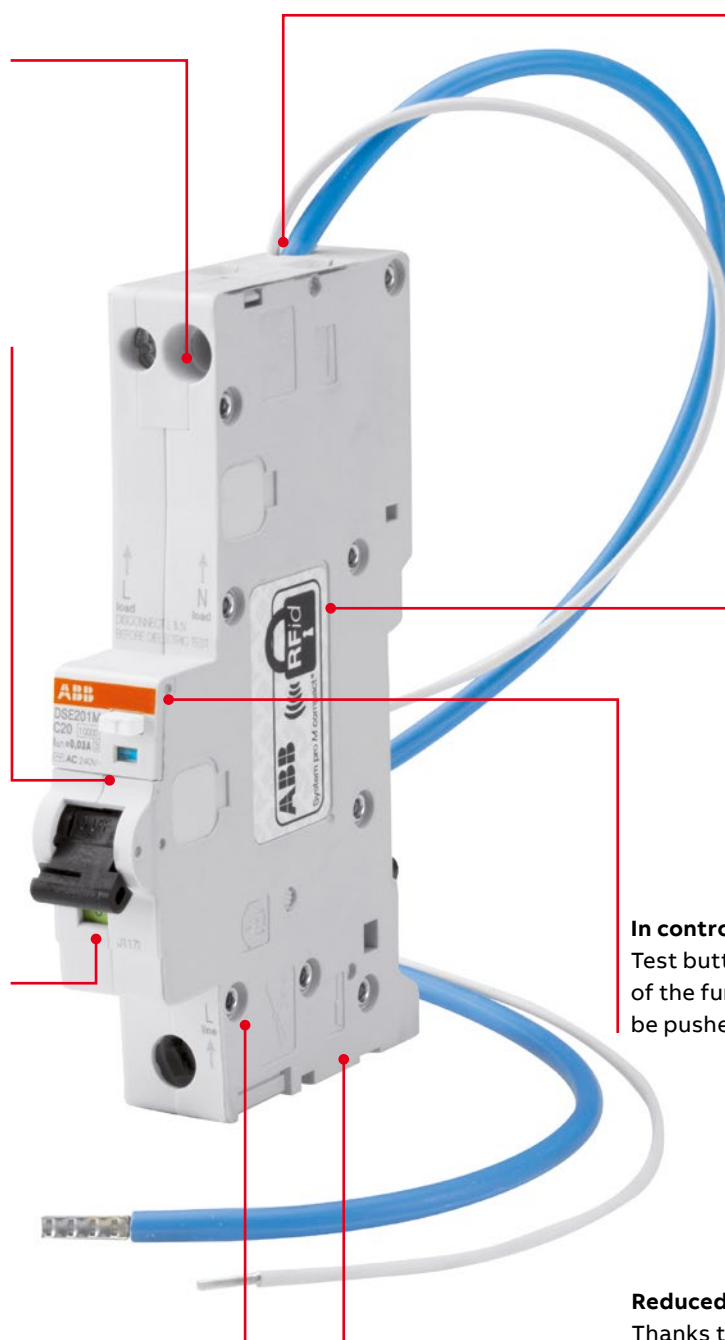
Each DSE201 is equipped with a RFID tag containing a unique serial number assigned by ABB according to ISO/IEC FCD 15693-3 standard in order to authenticate the product. Through this unique serial number, ABB can easily identify counterfeited products and verify the authenticity of each single device.

In control

Test button allows the regular check of the functionality of the device: to be pushed every six months.

Reduced height

Thanks to its reduced height, only 115 mm, DSE201M makes easier wiring operation inside the consumer unit or the distribution board.



DSE201 M, unique solution

Distinctive features

With its breaking capacity of 10kA in only one module width and 115mm height, DSE201 M series is the perfect solution for a complete protection in commercial and industrial applications, where space optimization is particu-

larly required. The unique earth fault indicator window identifies any earth fault trip, making easier the troubleshooting on the network and reducing the downtime for maintenance.



Device status at a glance

Earth fault indicator: blue window above the toggle to immediately detect and identify any earth fault trip, reducing downtime for maintenance. Contact position indicator (CPI): green/red window below the toggle to identify the real position of the contacts independently on the toggle position.



Double slot terminal

Easy to install. Fail-safe line side terminal to avoid improper connection. Two slots of different dimensions (35 mm² and 10 mm²) available to allow the connection both with cables and busbars.



Load side

Load side terminal accepts cables, both rigid and flexible up to 16 mm². Flying leads are straight instead of pigtail ones to reduce the space required for wiring operations.



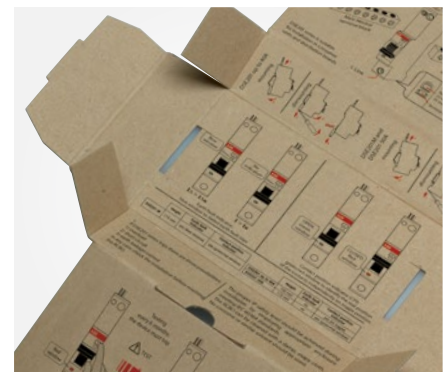
Easy and flexible

Double and bistable clips with a design for a secure fixing in any type of consumer unit or distribution board. Easy removal from a cluster of RCBOs/ MCBs supplied with Busbars.



Smart case

Main technical information are laser-printed on the front and left side of product to ensure long readability. On the right side, the tightening torque and the stripping length of the cable for a correct and safety installation of the unit are molded.



Smart package

Instruction manual printed inside the box with no additional paper wasted. Packaging is glue-less and takes advantage of the adhesive label containing the order information.

DSE201M

Technical features and overall dimensions

| Electrical features | | | |
|---|---------------------------------|----|--|
| Standards | | | IEC 61009-1 ; IEC 61009-2-2; BS EN 61009-1; AS/NZS 61009 |
| Type (wave form of the earth leakage sensed) | | | AC, A |
| Number of poles | | | 1P+N |
| Rated current I_n | A | | $6 \leq I_n \leq 50$ |
| Rated sensitivity $I_{\Delta n}$ | mA | | 10-30-100-300 |
| Rated voltage U_e | V | | 230-240 |
| Insulation voltage U_i | V | | 500 V AC |
| Overvoltage category | | | III |
| Pollution degree | | | 2 |
| Max. operating voltage | V | | 264 |
| Min. operating voltage for protection against $I_{\Delta n}$ residual sinusoidal alternating currents | V | | 85 |
| Operating voltage of circuit test | V | | 195-264 |
| Rated frequency | Hz | | 50/60 |
| Rated breaking capacity acc. to IEC 61009 | ultimate I_{cn} | A | 10000 |
| Rated breaking capacity acc. to IEC 60947-2 | ultimate I_{cu} | kA | 15 (for $6A \leq I_n \leq 40A$) |
| | | kA | 10 (for $I_n = 50A$) |
| | service I_{cs} | kA | 7.5 |
| Rated residual breaking capacity $I_{\Delta m}$ | | kA | 10 |
| Rated impulse withstand voltage (1.2/50) U_{imp} | | kV | 4 kV (test voltage 6.2kV at sea level, 5kV at 2000m) |
| Dielectric test voltage at ind. freq. for 1 min. | | kV | 2.5 kV (50 / 60Hz, 1 min.) |
| Thermomagnetic release - characteristic | B: $3 I_n \leq I_m \leq 5 I_n$ | | ■ |
| | C: $5 I_n \leq I_m \leq 10 I_n$ | | ■ |
| Surge current resistance (wave 8/20) | A | | NA |
| Mechanical data | | | |
| Housing | | | insulation group II, RAL 7035 |
| Toggle | | | insulation group II, black, sealable in ON-OFF positions |
| Earth fault indicator | | | blue window |
| Contact position indication | | | green/red Window |
| Electrical life | operations | | 10000 |
| Mechanical life | operations | | 20000 |
| Protection degree | in enclosure with cover | | IP40 |
| | terminals | | IP20 |
| Shock resistance acc. to IEC/EN 60068-2-27 | | | 30g - 2 shocks - 13ms |
| Vibration resistance acc. to IEC/EN 60068-2-6 | | | 0.35mm or 5g - 20 cycles at 5...150...5 Hz without load |
| Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30 | °C/RH | | 28 cycles with 55°C/90-96% and 25°C/95-100% |
| Reference temperature for setting of thermal element | °C | | 30 |
| Ambient temperature (with daily average $\leq +35$ °C) | °C | | -25...+55 |
| Storage temperature | °C | | -40...+70 |

DSE201M

Technical features and overall dimensions

| Installation | | | |
|---|--|-----------------|--|
| Terminal type | top (load side) | | failsafe cage (shock protected) |
| | bottom (line side) | | failsafe bi-directional cylinder-lift terminal (shock protected) |
| Terminal size for cables | load side | mm ² | 16 |
| | line side (solid/ flexible) | mm ² | 35/25 |
| Terminal size for busbars | load side | | only for wire connection |
| | line side | mm ² | 10 (Standard ABB busbar / distribution board system) |
| Tightening torque | top (load side) | Nm | 1.2 |
| | bottom (line side) | Nm | 2.8 |
| Neutral load cable | Type | | low smoke halogen free |
| | Lenght | mm | 750 |
| | Section | mm ² | 2.5 mm ² up to 20 A; 4 mm ² up to 50 A |
| | Color | | blue |
| Functional earth cable | Type | | low smoke halogen free |
| | Lenght | mm | 750 |
| | Section | mm ² | 0.75 |
| | Color | | white |
| Mounting | on DIN rail EN 60715 (35 mm) by means of fast clip device in consumer unit Type A according to IEC 61439-1&3, BS EN 61439-1&3 in distribution board Type B according to IEC 61439-1&3, BS EN 61439-1&3 | | |
| Supply from | bottom terminal | | |
| Dimensions and weight | | | |
| Dimensions (H x D x W) | | mm | 115 x 68.9 x 17.6 |
| Weight | | g | 200 |
| Combination with auxiliary elements | | | |
| Auxiliary contact | yes | | |
| Signal contact / auxiliary switch | yes | | |
| Shunt trip | yes | | |
| Undervoltage release | yes | | |
| Overvoltage release | yes | | |
| Auxiliary contact for MCBs bottom fitting | yes | | |

eRCBOs

DSE201 M series 10000 A  type, B characteristic



DSE201 M ... A30

DSE201 M A type, B characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial

Standard: IEC 61009-1; IEC 61009-2-2; BS EN 61009-1

$I_{cn} = 10\,000 \text{ A}$

| N. of poles | Rated residual current IΔn | Rated Current | Bbn 8012542 EAN | Order details | | Weight 1 piece [kg] | Pack unit pc. |
|------------------|----------------------------|---------------|-----------------|-----------------|------------------|---------------------|---------------|
| | | | | Type code | Order code | | |
| B characteristic | | | | | | | |
| 1P+N | 10 | 6 | 079231 | 2CSR275151R0065 | DSE201 M B6 A10 | 0.200 | 1 |
| | | 10 | 305033 | 2CSR275151R0105 | DSE201 M B10 A10 | 0.200 | 1 |
| | | 16 | 305132 | 2CSR275151R0165 | DSE201 M B16 A10 | 0.200 | 1 |
| | | 20 | 400233 | 2CSR275151R0205 | DSE201 M B20 A10 | 0.200 | 1 |
| | | 25 | 400035 | 2CSR275151R0255 | DSE201 M B25 A10 | 0.200 | 1 |
| | | 32 | 400134 | 2CSR275151R0325 | DSE201 M B32 A10 | 0.200 | 1 |
| | | 40 | 058830 | 2CSR275151R0405 | DSE201 M B40 A10 | 0.200 | 1 |
| | | 50 | 896531 | 2CSR275151R0505 | DSE201 M B50 A10 | 0.200 | 1 |
| 1P+N | 30 | 6 | 830832 | 2CSR275151R1065 | DSE201 M B6 A30 | 0.200 | 1 |
| | | 10 | 839835 | 2CSR275151R1105 | DSE201 M B10 A30 | 0.200 | 1 |
| | | 16 | 896739 | 2CSR275151R1165 | DSE201 M B16 A30 | 0.200 | 1 |
| | | 20 | 768432 | 2CSR275151R1205 | DSE201 M B20 A30 | 0.200 | 1 |
| | | 25 | 831136 | 2CSR275151R1255 | DSE201 M B25 A30 | 0.200 | 1 |
| | | 32 | 840138 | 2CSR275151R1325 | DSE201 M B32 A30 | 0.200 | 1 |
| | | 40 | 830733 | 2CSR275151R1405 | DSE201 M B40 A30 | 0.200 | 1 |
| | | 50 | 839736 | 2CSR275151R1505 | DSE201 M B50 A30 | 0.200 | 1 |

eRCBOs

DSE201 M series $\boxed{10000}$ A  type, C characteristic



DSE201 M ... A300

DSE201 M A type, C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I\Delta n = 30 \text{ mA}$).

Application: commercial, industrial

Standard: IEC 61009-1; IEC 61009-2-2; BS EN 61009-1

$I_{cn} = 10\,000 \text{ A}$

| N. of poles | Rated residual current IΔn | Rated Current | Bbn 8012542 EAN | Order details | | Weight 1 piece [kg] | Pack unit pc. |
|------------------|----------------------------|---------------|-----------------|-----------------|-------------------|---------------------|---------------|
| | | | | Type code | Order code | | |
| C characteristic | | | | | | | |
| 1P+N | 10 | 6 | 768234 | 2CSR275151R0064 | DSE201 M C6 A10 | 0.200 | 1 |
| | | 10 | 830931 | 2CSR275151R0104 | DSE201 M C10 A10 | 0.200 | 1 |
| | | 16 | 839934 | 2CSR275151R0164 | DSE201 M C16 A10 | 0.200 | 1 |
| | | 20 | 768531 | 2CSR275151R0204 | DSE201 M C20 A10 | 0.200 | 1 |
| | | 25 | 831235 | 2CSR275151R0254 | DSE201 M C25 A10 | 0.200 | 1 |
| | | 32 | 840237 | 2CSR275151R0324 | DSE201 M C32 A10 | 0.200 | 1 |
| | | 40 | 896432 | 2CSR275151R0404 | DSE201 M C40 A10 | 0.200 | 1 |
| | | 50 | 768135 | 2CSR275151R0504 | DSE201 M C50 A10 | 0.200 | 1 |
| 1P+N | 30 | 6 | 896630 | 2CSR275151R1064 | DSE201 M C6 A30 | 0.200 | 1 |
| | | 10 | 768333 | 2CSR275151R1104 | DSE201 M C10 A30 | 0.200 | 1 |
| | | 16 | 831037 | 2CSR275151R1164 | DSE201 M C16 A30 | 0.200 | 1 |
| | | 20 | 840039 | 2CSR275151R1204 | DSE201 M C20 A30 | 0.200 | 1 |
| | | 25 | 631637 | 2CSR275151R1254 | DSE201 M C25 A30 | 0.200 | 1 |
| | | 32 | 376033 | 2CSR275151R1324 | DSE201 M C32 A30 | 0.200 | 1 |
| | | 40 | 629733 | 2CSR275151R1404 | DSE201 M C40 A30 | 0.200 | 1 |
| | | 50 | 375937 | 2CSR275151R1504 | DSE201 M C50 A30 | 0.200 | 1 |
| 1P+N | 100 | 6 | 779339 | 2CSR275151R2064 | DSE201 M C6 A100 | 0.200 | 1 |
| | | 10 | 769330 | 2CSR275151R2104 | DSE201 M C10 A100 | 0.200 | 1 |
| | | 16 | 631538 | 2CSR275151R2164 | DSE201 M C16 A100 | 0.200 | 1 |
| | | 20 | 375838 | 2CSR275151R2204 | DSE201 M C20 A100 | 0.200 | 1 |
| | | 25 | 779230 | 2CSR275151R2254 | DSE201 M C25 A100 | 0.200 | 1 |
| | | 32 | 631439 | 2CSR275151R2324 | DSE201 M C32 A100 | 0.200 | 1 |
| | | 40 | 940739 | 2CSR275151R2404 | DSE201 M C40 A100 | 0.200 | 1 |
| | | 50 | 941330 | 2CSR275151R2504 | DSE201 M C50 A100 | 0.200 | 1 |
| 1P+N | 300 | 6 | 620235 | 2CSR275151R3064 | DSE201 M C6 A300 | 0.200 | 1 |
| | | 10 | 021834 | 2CSR275151R3104 | DSE201 M C10 A300 | 0.200 | 1 |
| | | 16 | 021735 | 2CSR275151R3164 | DSE201 M C16 A300 | 0.200 | 1 |
| | | 20 | 021636 | 2CSR275151R3204 | DSE201 M C20 A300 | 0.200 | 1 |
| | | 25 | 021537 | 2CSR275151R3254 | DSE201 M C25 A300 | 0.200 | 1 |
| | | 32 | 021438 | 2CSR275151R3324 | DSE201 M C32 A300 | 0.200 | 1 |
| | | 40 | 021339 | 2CSR275151R3404 | DSE201 M C40 A300 | 0.200 | 1 |
| | | 50 | 021230 | 2CSR275151R3504 | DSE201 M C50 A300 | 0.200 | 1 |

eRCBOs

DSE201 M series 10000 AC type, B characteristic



DSE201 M ... A30

DSE201 M AC type, B characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact (IΔn = 30 mA).

Application: commercial, industrial

Standard: IEC 61009-1; IEC 61009-2-2; BS EN 61009-1

Icn = 10 000 A

| N. of poles | Rated residual current IΔn [mA] | Rated Current In [A] | Bbn 8012542 EAN | Order details | | Weight 1 piece [kg] | Pack unit pc. |
|------------------|---------------------------------|----------------------|-----------------|-----------------|-------------------|---------------------|---------------|
| | | | | Type code | Order code | | |
| B characteristic | | | | | | | |
| 1P+N | 10 | 6 | 938132 | 2CSR275051R0065 | DSE201 M B6 AC10 | 0.200 | 1 |
| | | 10 | 297734 | 2CSR275051R0105 | DSE201 M B10 AC10 | 0.200 | 1 |
| | | 16 | 373230 | 2CSR275051R0165 | DSE201 M B16 AC10 | 0.200 | 1 |
| | | 20 | 373131 | 2CSR275051R0205 | DSE201 M B20 AC10 | 0.200 | 1 |
| | | 25 | 077534 | 2CSR275051R0255 | DSE201 M B25 AC10 | 0.200 | 1 |
| | | 32 | 077435 | 2CSR275051R0325 | DSE201 M B32 AC10 | 0.200 | 1 |
| | | 40 | 077336 | 2CSR275051R0405 | DSE201 M B40 AC10 | 0.200 | 1 |
| | | 50 | 077237 | 2CSR275051R0505 | DSE201 M B50 AC10 | 0.200 | 1 |
| 1P+N | 30 | 6 | 076438 | 2CSR275051R1065 | DSE201 M B6 AC30 | 0.200 | 1 |
| | | 10 | 076339 | 2CSR275051R1105 | DSE201 M B10 AC30 | 0.200 | 1 |
| | | 16 | 076230 | 2CSR275051R1165 | DSE201 M B16 AC30 | 0.200 | 1 |
| | | 20 | 076131 | 2CSR275051R1205 | DSE201 M B20 AC30 | 0.200 | 1 |
| | | 25 | 076032 | 2CSR275051R1255 | DSE201 M B25 AC30 | 0.200 | 1 |
| | | 32 | 353430 | 2CSR275051R1325 | DSE201 M B32 AC30 | 0.200 | 1 |
| | | 40 | 353331 | 2CSR275051R1405 | DSE201 M B40 AC30 | 0.200 | 1 |
| | | 50 | 266334 | 2CSR275051R1505 | DSE201 M B50 AC30 | 0.200 | 1 |

eRCBOs

DSE201 M series $\boxed{10000}$ AC $\boxed{\sim}$ type, C characteristic



DSE201 M ... A300

DSE201 M AC type, C characteristic

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial

Standard: IEC 61009-1; IEC 61009-2-2; BS EN 61009-1

$I_{cn} = 10\,000 \text{ A}$

| N. of poles | Rated residual current $I_{\Delta n}$ | Rated Current | Bbn 8012542 EAN | Order details | | Weight 1 piece [kg] | Pack unit pc. |
|------------------|---------------------------------------|---------------|-----------------|-----------------|--------------------|---------------------|---------------|
| | | | | Type code | Order code | | |
| C characteristic | | | | | | | |
| 1P+N | 10 | 6 | 077138 | 2CSR275051R0064 | DSE201 M C6 AC10 | 0.200 | 1 |
| | | 10 | 077039 | 2CSR275051R0104 | DSE201 M C10 AC10 | 0.200 | 1 |
| | | 16 | 076933 | 2CSR275051R0164 | DSE201 M C16 AC10 | 0.200 | 1 |
| | | 20 | 790532 | 2CSR275051R0204 | DSE201 M C20 AC10 | 0.200 | 1 |
| | | 25 | 076834 | 2CSR275051R0254 | DSE201 M C25 AC10 | 0.200 | 1 |
| | | 32 | 076735 | 2CSR275051R0324 | DSE201 M C32 AC10 | 0.200 | 1 |
| | | 40 | 076636 | 2CSR275051R0404 | DSE201 M C40 AC10 | 0.200 | 1 |
| | | 50 | 076537 | 2CSR275051R0504 | DSE201 M C50 AC10 | 0.200 | 1 |
| 1P+N | 30 | 6 | 266235 | 2CSR275051R1064 | DSE201 M C6 AC30 | 0.200 | 1 |
| | | 10 | 266136 | 2CSR275051R1104 | DSE201 M C10 AC30 | 0.200 | 1 |
| | | 16 | 266037 | 2CSR275051R1164 | DSE201 M C16 AC30 | 0.200 | 1 |
| | | 20 | 265931 | 2CSR275051R1204 | DSE201 M C20 AC30 | 0.200 | 1 |
| | | 25 | 790839 | 2CSR275051R1254 | DSE201 M C25 AC30 | 0.200 | 1 |
| | | 32 | 265832 | 2CSR275051R1324 | DSE201 M C32 AC30 | 0.200 | 1 |
| | | 40 | 353232 | 2CSR275051R1404 | DSE201 M C40 AC30 | 0.200 | 1 |
| | | 50 | 518235 | 2CSR275051R1504 | DSE201 M C50 AC30 | 0.200 | 1 |
| 1P+N | 100 | 6 | 186830 | 2CSR275051R2064 | DSE201 M C6 AC100 | 0.200 | 1 |
| | | 10 | 352235 | 2CSR275051R2104 | DSE201 M C10 AC100 | 0.200 | 1 |
| | | 16 | 186731 | 2CSR275051R2164 | DSE201 M C16 AC100 | 0.200 | 1 |
| | | 20 | 352136 | 2CSR275051R2204 | DSE201 M C20 AC100 | 0.200 | 1 |
| | | 25 | 263937 | 2CSR275051R2254 | DSE201 M C25 AC100 | 0.200 | 1 |
| | | 32 | 263838 | 2CSR275051R2324 | DSE201 M C32 AC100 | 0.200 | 1 |
| | | 40 | 263739 | 2CSR275051R2404 | DSE201 M C40 AC100 | 0.200 | 1 |
| | | 50 | 263630 | 2CSR275051R2504 | DSE201 M C50 AC100 | 0.200 | 1 |
| 1P+N | 300 | 6 | 263531 | 2CSR275051R3064 | DSE201 M C6 AC300 | 0.200 | 1 |
| | | 10 | 518334 | 2CSR275051R3104 | DSE201 M C10 AC300 | 0.200 | 1 |
| | | 16 | 263432 | 2CSR275051R3164 | DSE201 M C16 AC300 | 0.200 | 1 |
| | | 20 | 186038 | 2CSR275051R3204 | DSE201 M C20 AC300 | 0.200 | 1 |
| | | 25 | 352037 | 2CSR275051R3254 | DSE201 M C25 AC300 | 0.200 | 1 |
| | | 32 | 185932 | 2CSR275051R3324 | DSE201 M C32 AC300 | 0.200 | 1 |
| | | 40 | 185833 | 2CSR275051R3404 | DSE201 M C40 AC300 | 0.200 | 1 |
| | | 50 | 185734 | 2CSR275051R3504 | DSE201 M C50 AC300 | 0.200 | 1 |

Residual current relays

RD2



RD2

| Technical features | | |
|--------------------------|-------|---|
| Operating voltage | [V] | 230÷400 a.c. (RD2) and 48÷150 a.c./d.c. (RD2-48) |
| Frequency | [Hz] | 50÷60 |
| Type | | A |
| Operating temperature | [°C] | -5...+40 |
| Power consumption | [W] | <3.4, 230 V a.c. |
| Sensitivity settings IΔn | [A] | 0.03; 0.1; 0.3; 0.5; 1; 2 |
| Tripping time settings | [s] | Fast (instantaneous); 0.3; 0.5; 1; 2; 5 |
| Contact capacity | [A] | 10 at 250 V a.c. (ohmic) |
| Contact type | | NC-C-NO |
| Modules | [No.] | 2 |
| Protection degree | | IP20 |
| Standards | | IEC/EN 62020 |

RD2 residual current relays

Residual current relays with external toroidal transformer can detect leakage currents. Through minidip it is possible to set sensitivity and intervention time. RD2 residual current relays are designed to be used with external toroid belonging to TR family – see the dedicated section in page 2/134.

| Operating voltage | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|--------------------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| [V] | EAN | Type code | Order code | | [kg] | pc. |
| 230...400 a.c. | 058007 | RD2 | 2CSM142120R1201 | | 0.125 | 1 |
| 48...150 a.c./d.c. | 537809 | RD2-48 | 2CSM242120R1201 | | 0.125 | 1 |

Residual current relays

RD3



RD3



RD3M



RD3P

| Technical features | RD3/RD3-48 | RD3M/RD3M-48 | RD3P/RD3P-48 |
|---|--|--|--|
| Operating voltage | RD3: 230-400 Vac | RD3M: 230-400 Vac | RD3P: 230-400 Vac |
| | +10% / -15% | +10% / -15% | +10% / -15% |
| | RD3-48: 12-48 Vac/ Vdc +10% / -15% | RD3M-48: 12-48 Vac/ Vdc +10% / -15% | RD3P-48: 12-48 Vac/ Vdc +10% / -15% |
| Auxiliary supply frequency | 50-60 Hz | | |
| Frequency filter | - | Yes | Yes |
| Type | A (up to $I_{\Delta n}=5$ A) AC (for higher current) | | |
| Operating temperature | -25....+70 °C | | |
| Power consumption | <3.6 W (RD3, RD3M, RD3P), <600 mW RD3-48, RD3M-48, RD3P-48) | | |
| Sensitivity settings $I_{\Delta n}$ | 0.03-0.1-0.3-0.5-1-2-3-5-10-30 A | | |
| Tripping time settings Δt | 0-0.06-0.2-0.3-0.5-1-2-3-5-10 s | | |
| Pre-alarm threshold | - | 60% | 60% |
| Max. resistance connection between toroidal transformer and relay | 3 Ω | | |
| Max. length connection of remote reset button | 15 m | | |
| Output Contact capacity (7-8-9); (10-11-12) | 8 A, 250 V a.c. | | |
| Led bar indicator | - | - | Yes |
| Max. cable terminals section | 2.5 mm ² | | |
| Modules | 3 | | |
| Dimensions | 52.8 × 85 × 64.7 mm | | |
| Protection degree | IP20 | | |
| Standards | IEC/EN 60947-2 annex. M; IEC/EN 62020 | | |

RD3 residual current relays

The RD3 family of electronic residual current relays provides residual current protection and monitoring functions according to IEC/EN 60947-2:2006 annex M when used in conjunction with external toroids belonging to TR family, all S 200 miniature circuit breakers and Tmax/XT range moulded case devices up to T5/XT4, for industrial installations. The RD3 residual current relays can provide status indications through two output contacts.

| Operating voltage | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|-------------------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| [V] | EAN | Type code | Order code | | [kg] | pc. |
| 12-48 a.c./d.c. | 748236 | RD3-48 | 2CSJ201001R0001 | | 0.13 | 1 |
| 230-400 a.c. | 734833 | RD3 | 2CSJ201001R0002 | | 0.25 | 1 |
| 12-48 a.c./d.c. | 733935 | RD3M-48 | 2CSJ202001R0001 | | 0.13 | 1 |
| 230-400 a.c. | 747031 | RD3M | 2CSJ202001R0002 | | 0.25 | 1 |
| 12-48 a.c./d.c. | 734734 | RD3P-48 | 2CSJ203001R0001 | | 0.13 | 1 |
| 230-400 a.c. | 733836 | RD3P | 2CSJ203001R0002 | | 0.25 | 1 |

ELR

| Technical features | | ELR48P | ELR72 | ELR72P | ELR96 | ELR96P | ELR96PF | ELR96PD |
|-----------------------------------|-------|---|---|---|--|---|--------------------|--------------------|
| Operating voltage | [V] | 24, 48, 110, 230 a.c./ 24, 48, 115 d.c. | 24, 48, 110, 230 a.c./ 24, 48, 110 d.c. | 24, 48, 110, 230, 400 a.c./ 24, 48 d.c. | 24, 48, 110, 230, 400 a.c./ 24, 48, 110 d.c. | 24, 48, 110, 230, 400 a.c./ 24, 48 d.c. | 110, 230, 400 a.c. | 110, 230, 400 a.c. |
| Frequency | [Hz] | 50 – 60 | | | | | | |
| Frequency filter | | - | - | - | - | - | Yes | Yes |
| Type | | A | | | | | | |
| Operating temperature | [°C] | -10...+60 | | | | | | |
| Power consumption | [W] | <7 | | | | | | |
| Sensitivity setting IΔn | [A] | from 0,03 to 30 | | | | | | |
| Tripping time setting Dt | [s] | from 0 to 5 | | | | | | |
| Contacts | [no.] | 2 | 1 | 2 | 1 | 2 | 2 | 2 |
| Contact capacity | [A] | 5 (250 V a.c.) | | | | | | |
| Dimensions | [mm] | 48 x 48 | 72 x 72 | 72 x 72 | 96 x 96 | 96 x 96 | 96x96 | 96 x 96 |
| Digital display | | - | - | - | - | - | - | Yes |
| Protection degree (with cover) | | IP52 | | | | | | |
| Protection degree (without cover) | | IP40 | | | | | | |
| Protection degree (terminals) | | IP20 | | | | | | |
| Standards | | IEC EN 60947-2 Annex M | | | | | | |

Front panel residual current relays

ELR



ELR48P



ELR72



ELR96



ELR96PD

ELR front panel residual current relay

Front panel residual current relays are electronic devices used in combination with an external toroidal transformer. ELR devices are according to the protection standard IEC/EN 60947-2 Annex-M when used in conjunction with external toroids belonging to TR family, all S200 miniature circuit breakers and Tmax/XT range moulded case devices up to T5/XT4, for industrial installations.

The sensitivity can be set from 0.03 A to 30 A, while the tripping time from 0 to 5 seconds. Residual current relays are available in versions 48x48 mm, 72x72 mm, and 96x96 mm.

The Fail Safe function is available for versions ELR48P, ELR72P and ELR96P: the contacts switch when there is no auxiliary power.

The ELR96PF version is equipped with Fail Safe function, fault memory LED, and a frequency filter, that ensure continuity of service in the presence of harmonics.

ELR96PD has (in addition to these functions) a digital display for an instantaneous view of the residual current $I_{\Delta n}$.

| Operating voltage | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|--------------------------------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| [V] | EAN | Type code | Order code | | [kg] | pc. |
| 110 V a.c./d.c. - 230 V a.c. | 748229 | ELR48P | 2CSG252211R1202 | | 0.112 | 1 |
| 24-48 V a.c./d.c. | 734826 | ELR48V24P | 2CSG452211R1202 | | 0.112 | 1 |
| 110 V a.c./d.c. - 230 V a.c. | 733928 | ELR72 | 2CSG252120R1202 | | 0.322 | 1 |
| 24-48 V a.c./d.c. | 747024 | ELR72V24 | 2CSG452120R1202 | | 0.322 | 1 |
| 110-230-400 V a.c. | 734727 | ELR72P | 2CSG152424R1202 | | 0.322 | 1 |
| 24-48 V a.c./d.c. | 733829 | ELR72V24P | 2CSG452424R1202 | | 0.322 | 1 |
| 110 V a.c./d.c.-230-400 V a.c. | 734628 | ELR96 | 2CSG152130R1202 | | 0.383 | 1 |
| 24-48 V a.c./d.c. | 733720 | ELR96V24 | 2CSG452130R1202 | | 0.383 | 1 |
| 110-230-400 V a.c. | 734529 | ELR96P | 2CSG152434R1202 | | 0.383 | 1 |
| 24-48 V a.c./d.c. | 733621 | ELR96V24P | 2CSG452434R1202 | | 0.383 | 1 |
| 110-230-400 V a.c. | 734420 | ELR96PF | 2CSG152435R1202 | | 0.383 | 1 |
| 110-230-400 V a.c. | 733522 | ELR96PD | 2CSG152436R1202 | | 0.383 | 1 |

Toroidal transformers

TR



TR

Toroidal transformers

| Technical features | | TRM | TR1 | TR2 | TR3 | TR4 | TR4A | TR160 | TR160A | TR5 | TR5A | TR6 | TR6A |
|--|----------|---|--------|--------|--------|--------|------|--------|--------|--------|------|--------|------|
| Core | | closed | closed | closed | closed | closed | open | closed | open | closed | open | closed | open |
| Available internal diameter | [mm] | 29 | 35 | 60 | 80 | 110 | 110 | 160 | 160 | 210 | 210 | 300 | 300 |
| Weight | [kg] | 0.17 | 0.22 | 0.28 | 0.45 | 0.52 | 0.6 | 1.35 | 1.6 | 1.45 | 1.85 | 2.1 | 2.3 |
| Minimum measurable current | [mA] | 30 | 30 | 30 | 100 | 100 | 300 | 300 | 500 | 300 | 500 | 500 | 1000 |
| Installation position | | Any | | | | | | | | | | | |
| Operating temperature | [°C] | -10...+70 | | | | | | | | | | | |
| Storage temperature | [°C] | -20...+80 | | | | | | | | | | | |
| Transformation ratio | | 500/1 | | | | | | | | | | | |
| Dielectric test voltage at industrial freq. for 1 min. | [kV] | 2.5 | | | | | | | | | | | |
| Max. insulating voltage | [V a.c.] | 1000 | | | | | | | | | | | |
| Max. thermal overload | [kA] | 40/1 sec. | | | | | | | | | | | |
| Connections | | Screw terminal boards, max. section 2.5 mm ² | | | | | | | | | | | |
| Protection degree | | IP20 | | | | | | | | | | | |

| Dimension Ø | Bbn 8012542 | Order details | | Price 1 piece | Weight 1 piece | Pack unit |
|------------------------|----------------|---------------|-----------------|------------------|-------------------|--------------|
| [mm] | EAN | Type code | Order code | | [kg] | pc. |
| 29 (modular version) | 020707 | TRM | 2CSM029000R1211 | | 0.170 | 1 |
| 35 | 020301 | TR1 | 2CSG035100R1211 | | 0.212 | 1 |
| 60 | 020400 | TR2 | 2CSG060100R1211 | | 0.274 | 1 |
| 80 | 020509 | TR3 | 2CSG080100R1211 | | 0.454 | 1 |
| 110 | 020608 | TR4 | 2CSG110100R1211 | | 0.530 | 1 |
| 110 (openable version) | 743408 | TR4/A | 2CSG110200R1211 | | 0.600 | 1 |
| 160 | 743507 | TR160 | 2CSG160100R1211 | | 1.350 | 1 |
| 160 (openable version) | 743606 | TR160A | 2CSG160200R1211 | | 1.600 | 1 |
| 210 | 024804 | TR5 | 2CSG210100R1211 | | 1.534 | 1 |
| 210 (openable version) | 065708 | TR5/A | 2CSG210200R1211 | | 1.856 | 1 |
| 300 | 185413 | TR6 | 2CSG300100R1211 | | 2.100 | 1 |
| 300 (openable version) | 180715 | TR6/A | 2CSG300200R1211 | | 2.300 | 1 |