

RCCB F 200. The details make the difference A range designed to ensure efficiency and protection

3

Test pushbutton to verify the correct functioning of the device.

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

Information on the device are laser printed to make them clearly visible and long lasting.

Contact position indicator (CPI): to always know the status of the contacts (red: closed contacts; green: open contacts) independently on the toggle position

Laser-marked order code on the front to make easier future orders.





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) = 10000 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



2CSC400-665F2001

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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
	Max. operating voltage of circuit test	IEC	V
		UL/CSA	V
	Min. operating voltage of circuit test		V
	Rated frequency		Hz
	Rated conditional short-circuit current $I_{nc}=I_{\Delta n} \textcircled{3}$	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		
Dimensions and weight	Mounting		
	Connection		
	Withdrawal from busbar		
	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 p. 10/132

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

F200 AC	F200 A	F200 A AP-R	F200 A S	F200 A 400 Hz	F200 A 16 2/3 Hz
IEC/EN 61008, UL 1053 ①				IEC/EN 61008	IEC/EN 61008
AC	A	A	A	A	A
2P, 4P (for 125 A only 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
0.01-0.03-0.1-0.3-0.5		0.03	0.1-0.3-0.5-1	0.03	0.03-0.3-0.5
230/400 - 240/415					
480Y/277 (up to 100 A)				-	
500					
254 (440 for 125 A); 440 for F 200 left neutral				254	254
277 (up to 100 A); 480 for F 200 left neutral ④				-	
110 (185 for 125 A); 195 for F 200 left neutral				110	110
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					
250		3000	5000	250	250
blue sealable in ON-OFF position					
yes					
10000 (2000 for 125 A)				10000	10000
20000 (5000 for 125 A)				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
-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
25 (up to 63 A)				-	
Nr. 2 Pozidriv					
on DIN rail EN 60715 (35 mm) by means of fast clip device					
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 $I\Delta n=30\text{ mA}$).
Application: residential, commercial, industrial.
Standard: IEC/EN 61008
Marking: according to EN 61008

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			
2	10	16	779902	F202 AC-16/0.01	2CSF202001R0160		0.225	1/6
		25	780007	F202 AC-25/0.03	2CSF202001R1250		0.225	1/6
	30	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

Where to find more:
 Coordination Tables for F 200 RCCBs p.10/132
 Worldwide Marks and Approvals p.11/92
 Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:
 A complete list of answers is available in the RCDs FAQ document (code 2CSC420005B0201)



Maybe you are also interested in:
 Auxiliary Elements for RCDs p.4/4
 Accessories for RCDs p.4/16
 Busbar Systems p.4/21



F204

2CSC400569F0201



F204 125 A

2CSC400197R0201

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	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	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	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	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



F204

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/EN 61008

Marking: according to IEC 61008

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
		25	814702	F202 AC-25/0.03	2CSF202005R1250		0.225	1/6
			814801	F202 AC-40/0.03	2CSF202005R1400		0.225	1/6
			814900	F202 AC-63/0.03	2CSF202005R1630		0.225	1/6
			935902	F202 AC-80/0.03	2CSF202005R1800		0.225	1/6
			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	80	936503	F202 AC-80/0.5	2CSF202005R4800		0.225	1/6
		100	936602	F202 AC-100/0.5	2CSF202005R4900		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	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	80	937302	F204 AC-80/0.5	2CSF204005R4800		0.405	1/3
		100	937401	F204 AC-100/0.5	2CSF204005R4900		0.405	1/3

Where to find more:

Coordination Tables for F 200 RCCBs
p.10/132

Worldwide Marks and Approvals
p.11/92

Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4

Accessories for RCDs p.4/16

Busbar Systems p.4/21

RCCBs

F 200 series AC type left neutral



F204 left neutral

2CSC400371 F201



F204 left neutral 125 A

2CSC400197 F201

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

Marking: according to EN 61008

Number of poles	Rated residual current In 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	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	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	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	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 $I_{\Delta n}=30\text{ mA}$).

Application: residential, commercial, industrial.

Standard: IEC/EN 61008

Marking: according to EN 61008

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			
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

Where to find more:
 Coordination Tables for F 200 RCCBs p.10/132
 Worldwide Marks and Approvals p.11/92
 Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:
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Maybe you are also interested in:
 Auxiliary Elements for RCDs p.4/4
 Accessories for RCDs p.4/16
 Busbar Systems p.4/21



F204



F204 125 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.
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 $I_{\Delta n}=30\text{ mA}$). 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

Marking: according to EN 61008

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			
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	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	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	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

Where to find more:
Coordination Tables for F 200 RCCBs p.10/132
Worldwide Marks and Approvals p.11/92
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available in the RCDs FAQ document (code 2CSC420005B0201)



Maybe you are also interested in:
Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

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 ($I_{\Delta n}=30\text{ mA}$).

Application: residential, commercial, industrial.

Standard: IEC/EN 61008

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

Marking: according to EN 61008

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	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 kg	Pack unit pc.
				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

Where to find more:
Coordination Tables for F 200 RCCBs
p.10/132
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:
Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

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

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

Marking: according to EN 61008

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	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 _{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	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
		100	919209	F204 A S-100/0.5	2CSF204201R4900		0.405	1/3
	1000	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 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 50Hz. 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

Marking: according to EN 61008

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

Marking: according to EN 61008

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

RCCBs

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



2CSC40019/F0001

F200

Technical features		F 200 B type		
Type (wave form of the detected dispersion current)		B		
Rated current I _n	[A]	40	63	125
No. of poles		4		
Rated voltage U _n	[V]	230/400		
Working range of test circuit	[V]	185 V AC-440 V AC		
Rated conditional short-circuit current I _{nc}	[kA]	10		
Rated conditional residual short-circuit current I _{Δc}	[kA]	10		
Rated making and breaking capacity I _m	[A]	500	800	1250
Rated residual making and breaking capacity I _{Δm}	[A]	500	800	1250
Surge current resistance		ring wave 0,5 ms/100 kHz: 200 A, impulse 8/20 μs: 3 kA (impulse 8/20 μs: 5 kA for F200 type B S - selective)		
Rated sensitivity I _{Δn}	[A]	0.03	0.03-0.3	0.03-0.3-0.5
Working frequency range	[Hz]	0-1000		
Min. operating voltage				
for detecting type A/AC residual currents	[V]	0 V		
for detecting type B residual currents	[V]	30 V a.c.		
Own consumption	[W]	max. 3.5		
Dissipated power P _v	[W]	2.9	7.2	28
Short-circuit fuse acc. to VDE 0636/IEC 60269-1		80 A/gL	100 A/gG	125 A/gL
Tripping time F200 type B	[ms]	1 x I _{Δn} ≤ 300 ms; 5 x I _{Δn} ≤ 40 ms		
Tripping time F200 type B S	[ms]	1 x I _{Δn} > 130 ms ≤ 500 ms; 5 x I _{Δn} > 50 ms ≤ 150 ms		
Toggle		Blue sealable in ON/OFF position		
Impact resistance		20 g/20 ms		
Protection degree		IP40 (after installation in distribution board)		
Supply		terminal 1, 3, 5, 7		
Ambient temperature	[°C]	-25...+40		
Resistance to climate changes acc. to IEC 68-2-30		25 °C/55 °C; 93%/97% relative humidity, 28 cycles		
Cables max. size	[mm ²]	1x1.5-50 mm ² ; 2x1.5-16 mm ²		
Terminal size	[mm ²]	50		
Tightening torque	[Nm]	3		
Mechanical life		> 5000		
Electrical life		> 2000		
Electromagnetic compatibility		IEC 61453; DIN VDE 0664 Pt.30		
Mounting		on DIN rail EN 60715 (35 mm) by means of fast clip device		
Dimensions (H x P x L)	[mm]	85 x 69,5 x 70		
Weight 4P	[g]	500		

Where to find more:

Coordination Tables for F 200 RCCBs
p.10/132
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

RCCBs

F 200 series B type, B type selective



F204

2CSC400197F0001

F 200 B type for smooth DC earth fault current

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

Application: industrial.

Standard: IEC/EN 61008, IEC 62423

Marking: according to EN 61008

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	40	988403	F204 B-40/0.03	2CSF204501R1400		0.500	1
		63	988502	F204 B-63/0.03	2CSF204501R1630		0.500	1
		125 ①	988700	F204 B-125/0.03	2CSF204523R1950		0.500	1
	300	63	989004	F204 B-63/0.3	2CSF204501R3630		0.500	1
		125 ①	989202	F204 B-125/0.3	2CSF204523R3950		0.500	1
	500	125 ①	730439	F204 B-125/0.5	2CSF204523R4950		0.500	1

① Devices with rated current $I_n=125$ A are with neutral on the left



F204

2CSC400197F0001

F 200 B selective type for smooth DC earth fault current

Function: protection against the effects of sinusoidal alternating, direct pulsating and pulsating DC or smooth DC 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: industrial.

Standard: IEC/EN 61008, IEC 62423

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

Marking: according to EN 61008

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	989301	F204 B S-63/0.3	2CSF204801R3630		0.500	1
		125 ①	989509	F204 B S-125/0.3	2CSF204823R3950		0.500	1
	500	125 ①	731238	F204 B S-125/0.5	2CSF204823R4950		0.500	1

① Devices with rated current $I_n=125$ A are with neutral on the left

RCCBs

F 200 series PV B type technical features



2CSC400679F0001

F200 PV B

3

	F 200 PV B	
Rated current I_n	25 A	63 A
Rated sensitivity $I_{\Delta n}$	0.03 - 0.3 A	
Working frequency range	0 - 1000 Hz	
Rated voltage U_n	230 V AC	
Rated frequency	50 Hz	
Min. operating voltage		
for detecting type A/AC residual currents	0 V (mains voltage-independent)	
for detecting type B residual currents	30 V AC	
Own consumption	max. 1.2 W	
Working range of test circuit	100 V AC – 250 V AC	
No. of poles:	2-pole	
Dissipated power P_v	1.2 W	7.2 W
Short-circuit fuse to VDE 0636 / IEC 60269-1	100 A/gG	
Tripping times F200PV B type	$1 \times I_{\Delta n} \leq 300 \text{ ms}$; $5 \times I_{\Delta n} \leq 40 \text{ ms}$	
Rated making and breaking capacity I_m	500 A	800 A
Rated residual making and breaking capacity $I_{\Delta m}$	500 A	800 A
Rated short circuit current I_{nc}	10 kA	
Rated conditional residual short-circuit current $I_{\Delta c}$	10 kA	
Surge current resistance	Ring wave 0.5 ms / 100 kHz: 200 A, impulse 8/20 μ s: 3 kA	
Impact resistance	20 g / 20 ms duration	
Enclosure protection type	IP40 (after installation in distribution board)	
Input side	Terminals 5, 7	
Ambient temperature	-25°C to 40°C	
Resistance to climate changes according to IEC 68-2-30	damp / heat cyclic (25°C / 55°C; 93% / 97% rel.hum., 28 cycles)	
Cables max. size	1x1.5-50 mm ² (1-wire connect.); 2x1.5-16 mm ² (2-wire connect.)	
Tightening torque of fastening screws	3 Nm	
Mechanical life	> 5000 switching cycles	
Electrical life	> 2000 switching cycles	
Electromagnetic compatibility	IEC 61453; DIN VDE 0664 Pt.30 (interference resistance-industrial environment)	
Mounting	On DIN rail EN 60715 (35 mm) by means of fast clip device; any mounting position	
Toggle	Blue sealable in ON/OFF position.	
Dimensions (H x D x W)	85 x 69 x 72 mm	
Weight	500 g	

Where to find more:

Coordination Tables for F 200 RCCBs
p.10/132
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

RCCBs

F 200 series PV B type



F202 PV B

F200 PV B type for smooth DC earth fault current for photovoltaic applications

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

Where an electrical installation includes a PV power supply system without at least simple separation between the AC side and the DC side, an RCD installed to provide fault protection by automatic disconnection of supply should be type B according to IEC 60755, amendment 2 (according to IEC 60364-7 art. 712.413.1.1.1.2)

Application: particularly suitable for use in solar energy (photovoltaic) systems

standard: IEC/EN 61008, IEC 62423

Marking: according to EN 61008

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	071235	F202PV B-25/0,03	2CSF202601R1250		0.500	1
		63	368632	F202PV B-63/0,03	2CSF202601R1630		0.500	1
	300	25	910831	F202PV B-25/0,3	2CSF202601R3250		0.500	1
		63	659037	F202PV B-63/0,3	2CSF202601R3630		0.500	1

RCD-blocks

DDA 200 technical features



2CSC400168P0201

3

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 _{Δm}		[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 _{Δn}		[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 ≤ +35 °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	[mm ²]
	3P/4P I _n =25 and 40 A	[mm ²]
	3P/4P I _n =63 A	[mm ²]
Tightening torque	2P	[Nm]
	3P/4P I _n =25 and 40 A	[Nm]
	3P/4P I _n =63 A	[Nm]
Mounting		
Dimensions	2P	[mm]
	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 200 L	
	S 200	
	S 200 M	
	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.

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 App.G					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 (400 for special execution @400 V)			184-264	110-254	195-254 (170-254 for 30 mA)
195-440 (110-254 for special execution @110 V)			310-440	195-440	310-440 (300-440 for 30 mA)
195-440 (110-254 for special execution @110 V)			184-264	195-440	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					
250		3000	250	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					
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 Ann. G

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	791003	DDA202 AC-25/0.01	2CSB202001R0250		0.180	1
	30	25	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 b	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 kg	Pack unit pc.
				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 ② ②	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

Where to find more:

Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21



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 Ann. G

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	25	795407	DDA202 A-25/0.03	2CSB202101R1250		0.180	1
		40	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	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

Where to find more:

Worldwide Marks and Approvals p.11/92
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available in the RCDs FAQ document (code 2CSC420005B0201)



Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21



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	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

3



DDA 202



DDA 203



DDA 204

Where to find more:
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:
Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

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 $I_{\Delta n}=30\text{ mA}$).

DDA200 110 V is a particular RCD-block with voltage range for test button $U_t = 110\text{-}245\text{ V}$. 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 ($U_t = 110\text{-}245\text{ V}$) 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 EN 61009 Ann. G

110 V version

AC type

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 ①	929901	DDA 204 AC-63/0.03 110V	2CSB204099R1630	0.350	1

A type

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	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 $I_{\Delta n}\text{ mA}$	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 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 Ann. G

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 kg	Pack unit pc.
				Type code	Order code			
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

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	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 kg	Pack unit pc.
				Type code	Order code			
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)

3



DDA 202



DDA 203



DDA 204

Where to find more:
Wiring Scheme for DDA 200 AE series p.10/140
Worldwide Marks and Approvals p.11/92
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available in the RCDs FAQ document (code 2CSC420005B0201)



Maybe you are also interested in:
Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

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 $I_n=30\text{ mA}$). 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 Ann. G

Number of poles	Rated residual current In 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	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

Number of poles	Rated residual current In 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	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 In 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	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 Ann. G

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

Where to find more:

Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:

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Busbar Systems p.4/21

RCD-blocks

DDA 200 series B type



DDA 202

2CSC400583F0001



DDA 203

2CSC400583F0001



DDA 204

2CSC400125F0001

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 Ann. G, IEC 62423 ed.2
Surge current resistance (8/20 wave): 3000 A

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 kg	Pack unit pc.
				Type code	Order code			
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 Δ 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	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 Δ 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	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

Where to find more:
Worldwide Marks and Approvals p.11/92
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:
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Busbar Systems p.4/21



DDA 203

2CSC400669F0001



DDA 204

2CSC400125F0001

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 10).

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 Ann. G, IEC 62423 ed.2

Surge current resistance (8/20 wave): 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	Pack unit
				Type code	Order code		kg	pc.
3	300	63	733126	DDA203 B S-63/0,3	2CSB203892R3630		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	300	63	732822	DDA204 B S-63/0,3	2CSB204892R3630		0.395	1

RCBO DS201 and DS202C. The details make the difference A range designed to ensure efficiency and protection

3

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

The label carrier to clearly identify the protected circuit.

Test pushbutton to verify the correct functioning of the device

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

Each RCBO of the DS201-DS202C range is equipped with an Rfid tag containing a unique serial number assigned to ABB according to the standard ISO/IEC FCD 15693-3 in order to authenticate the product.





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.



Contact position indicator (CPI): to always know the status of the contacts (red: closed contacts; green: open contacts).



The terminals available on DS201-DS202C 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.



All the devices of the DS201 and DS202C 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.



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 quality ensured by the main international marks is clearly visible on the device even if installed in the switchboard.



Product description and EAN code laser printed on the lateral side of the device for an easier stock management.

RCBOs

DS201 technical features



2CSC400005F0202

DS201 L

3

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
	Max. operating voltage of circuit test		V
	Min. operating voltage of circuit test		V
	Rated frequency		Hz
	Rated breaking capacity acc. to IEC/EN 61009	ultimate I_{cn}	A
	Rated breaking capacity acc. to IEC/EN 60947-2	ultimate I_{cu}	kA
	1P+N @230 VAC	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
	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		
	Flag indicators		
	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
	Ambient temperature (with daily average $\leq +35$ °C)		°C
	Storage temperature		°C
Installation	Terminal type	top bottom	
	Terminal size top/bottom for cables		mm ²
	Terminal size top/bottom for busbar		mm ²
	Tightening torque top/bottom		Nm
	Mounting		
	Connection		
Dimensions and weight	Dimensions (H x D x W)		mm
	Weight		g
Combination with auxiliary elements	Combinable with:	auxiliary contact	
		signal contact	
		shunt trip	
		undervoltage release	

DS201 L			DS201			DS201 M		
IEC / EN 61009								
AC	A	APR	AC	A	APR	AC	A	APR
1P+N								
$6 \leq I_n \leq 32$			$1 \leq I_n \leq 40$			$4 \leq I_n \leq 40$		
0.03-0.3	0.01-0.03-0.3	0.03	0.03-0.1-0.3-1	0.01-0.03-0.1-0.3	0.03-0.1-0.3	0.03-0.1-0.3	0.01-0.03-0.1-0.3	0.03-0.1-0.3
230-240								
500								
254								
110								
50...60								
4500			6000			10000		
6			10			10		
4.5			6			7.5		
4.5			6			6		
4								
2.5								
								
								
								
250 (3000 for APR versions)								
black sealable in ON-OFF position								
differential trip indicator (blue)								
contact position indicator (green/red)								
10000								
20000								
IP4X								
IP2X								
28 cycles with 55°C/90-96% and 25°C/95-100%								
30								
-25...+55								
-40...+70								
failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected)								
failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected)								
25/25								
10/10								
2.8								
on DIN rail EN 60715 (35 mm) by means of fast clip device								
from top and bottom								
85 x 69 x 35								
239								
yes								
yes								
yes								
yes								

RCBOs

DS201 L series 4500 AC type, C characteristic



3

DS201 L

DS201 L 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: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=4.5\text{ kA}$

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			
1+N	30	6	171201	DS201 L C6 AC30	2CSR245040R1064		0.240	5
		10	171300	DS201 L C10 AC30	2CSR245040R1104		0.240	5
		16	171409	DS201 L C16 AC30	2CSR245040R1164		0.240	5
		20	171508	DS201 L C20 AC30	2CSR245040R1204		0.240	5
		25	171607	DS201 L C25 AC30	2CSR245040R1254		0.240	5
		32	171706	DS201 L C32 AC30	2CSR245040R1324		0.240	5
	300	6	171805	DS201 L C6 AC300	2CSR245040R3064		0.240	5
		10	171904	DS201 L C10 AC300	2CSR245040R3104		0.240	5
		16	172000	DS201 L C16 AC300	2CSR245040R3164		0.240	5
		20	172109	DS201 L C20 AC300	2CSR245040R3204		0.240	5
		25	172208	DS201 L C25 AC300	2CSR245040R3254		0.240	5
		32	172307	DS201 L C32 AC300	2CSR245040R3324		0.240	5

Where to find more:
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
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Frequently asked question - FAQ:
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Busbar Systems p.4/21

RCBOs

DS201 L series 4500 A type, C characteristic



DS201 L

DS201 L 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

$I_{cn}=4.5$ 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			
1+N	10	6	163404	DS201 L C6 A10	2CSR245140R0064		0.240	5
		10	171003	DS201 L C10 A10	2CSR245140R0104		0.240	5
		16	171102	DS201 L C16 A10	2CSR245140R0164		0.240	5
	30	6	172406	DS201 L C6 A30	2CSR245140R1064		0.240	5
		10	172505	DS201 L C10 A30	2CSR245140R1104		0.240	5
		16	172604	DS201 L C16 A30	2CSR245140R1164		0.240	5
		20	172703	DS201 L C20 A30	2CSR245140R1204		0.240	5
		25	173809	DS201 L C25 A30	2CSR245140R1254		0.240	5
		32	173908	DS201 L C32 A30	2CSR245140R1324		0.240	5
	300	6	174004	DS201 L C6 A300	2CSR245140R3064		0.240	5
		10	174103	DS201 L C10 A300	2CSR245140R3104		0.240	5
		16	174202	DS201 L C16 A300	2CSR245140R3164		0.240	5
		20	174301	DS201 L C20 A300	2CSR245140R3204		0.240	5
		25	174707	DS201 L C25 A300	2CSR245140R3254		0.240	5
		32	174806	DS201 L C32 A300	2CSR245140R3324		0.240	5

RCBOs

DS201 L series 4500 APR type, C characteristic



3

DS201 L

DS201 L APR type, C characteristic

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

$I_{cn}=4.5\text{ kA}$

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			
1+N	30	6	174905	DS201 L C6 APR30	2CSR245440R1064		0.240	5
		10	175001	DS201 L C10 APR30	2CSR245440R1104		0.240	5
		16	175100	DS201 L C16 APR30	2CSR245440R1164		0.240	5
		20	175209	DS201 L C20 APR30	2CSR245440R1204		0.240	5
		25	175605	DS201 L C25 APR30	2CSR245440R1254		0.240	5
		32	175704	DS201 L C32 APR30	2CSR245440R1324		0.240	5

Where to find more:
Worldwide Marks and Approvals
p.11/92
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Accessories for RCDs p.4/16
Busbar Systems p.4/21

RCBOs

DS201 series 6000 AC type, B characteristic



DS201

DS201 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 ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=6$ 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			
1+N	30	6	279709	DS201 B6 AC30	2CSR255040R1065		0.240	5
		10	280309	DS201 B10 AC30	2CSR255040R1105		0.240	5
		13	285205	DS201 B13 AC30	2CSR255040R1135		0.240	5
		16	285304	DS201 B16 AC30	2CSR255040R1165		0.240	5
		20	285403	DS201 B20 AC30	2CSR255040R1205		0.240	5
		25	285502	DS201 B25 AC30	2CSR255040R1255		0.240	5
		32	285601	DS201 B32 AC30	2CSR255040R1325		0.240	5
		40	285700	DS201 B40 AC30	2CSR255040R1405		0.240	5
	100	6	285809	DS201 B6 AC100	2CSR255040R2065		0.240	5
		10	285908	DS201 B10 AC100	2CSR255040R2105		0.240	5
		13	286004	DS201 B13 AC100	2CSR255040R2135		0.240	5
		16	286103	DS201 B16 AC100	2CSR255040R2165		0.240	5
		20	286202	DS201 B20 AC100	2CSR255040R2205		0.240	5
		25	286301	DS201 B25 AC100	2CSR255040R2255		0.240	5
		32	286400	DS201 B32 AC100	2CSR255040R2325		0.240	5
		40	286509	DS201 B40 AC100	2CSR255040R2405		0.240	5
	300	6	286608	DS201 B6 AC300	2CSR255040R3065		0.240	5
		10	286707	DS201 B10 AC300	2CSR255040R3105		0.240	5
		13	293903	DS201 B13 AC300	2CSR255040R3135		0.240	5
		16	294009	DS201 B16 AC300	2CSR255040R3165		0.240	5
		20	294108	DS201 B20 AC300	2CSR255040R3205		0.240	5
		25	294207	DS201 B25 AC300	2CSR255040R3255		0.240	5
		32	294306	DS201 B32 AC300	2CSR255040R3325		0.240	5
		40	294405	DS201 B40 AC300	2CSR255040R3405		0.240	5

RCBOs

DS201 series 6000 AC type, C characteristic



3

DS201

DS201 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: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=6\text{ kA}$

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			
1+N	30	6	294504	DS201 C6 AC30	2CSR255040R1064		0.240	5
		10	294603	DS201 C10 AC30	2CSR255040R1104		0.240	5
		13	294702	DS201 C13 AC30	2CSR255040R1134		0.240	5
		16	294801	DS201 C16 AC30	2CSR255040R1164		0.240	5
		20	294900	DS201 C20 AC30	2CSR255040R1204		0.240	5
		25	295006	DS201 C25 AC30	2CSR255040R1254		0.240	5
		32	296003	DS201 C32 AC30	2CSR255040R1324		0.240	5
		40	296102	DS201 C40 AC30	2CSR255040R1404		0.240	5
	100	6	296201	DS201 C6 AC100	2CSR255040R2064		0.240	5
		10	296409	DS201 C10 AC100	2CSR255040R2104		0.240	5
		13	370802	DS201 C13 AC100	2CSR255040R2134		0.240	5
		16	370901	DS201 C16 AC100	2CSR255040R2164		0.240	5
		20	371601	DS201 C20 AC100	2CSR255040R2204		0.240	5
		25	371700	DS201 C25 AC100	2CSR255040R2254		0.240	5
		32	371809	DS201 C32 AC100	2CSR255040R2324		0.240	5
		40	498100	DS201 C40 AC100	2CSR255040R2404		0.240	5
	300	6	498209	DS201 C6 AC300	2CSR255040R3064		0.240	5
		10	498308	DS201 C10 AC300	2CSR255040R3104		0.240	5
		13	505907	DS201 C13 AC300	2CSR255040R3134		0.240	5
		16	506003	DS201 C16 AC300	2CSR255040R3164		0.240	5
		20	506102	DS201 C20 AC300	2CSR255040R3204		0.240	5
		25	506201	DS201 C25 AC300	2CSR255040R3254		0.240	5
		32	618300	DS201 C32 AC300	2CSR255040R3324		0.240	5
		40	638407	DS201 C40 AC300	2CSR255040R3404		0.240	5
	1000	6	996606	DS201 C6 AC1000	2CSR255040R5064		0.240	5
		10	996705	DS201 C10 AC1000	2CSR255040R5104		0.240	5
		16	996804	DS201 C16 AC1000	2CSR255040R5164		0.240	5
		20	996903	DS201 C20 AC1000	2CSR255040R5204		0.240	5
		25	997009	DS201 C25 AC1000	2CSR255040R5254		0.240	5
		32	997108	DS201 C32 AC1000	2CSR255040R5324		0.240	5
		40	997207	DS201 C40 AC1000	2CSR255040R5404		0.240	5

Where to find more:
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RCBOs

DS201 series 6000 APR type, C characteristic



DS201

DS201 APR type, C characteristic

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

$I_{cn}=6$ kA

3

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			
1+N	30	6	997306	DS201 C6 APR30	2CSR255440R1064		0.240	5
		10	997405	DS201 C10 APR30	2CSR255440R1104		0.240	5
		13	997504	DS201 C13 APR30	2CSR255440R1134		0.240	5
		16	997603	DS201 C16 APR30	2CSR255440R1164		0.240	5
		20	997702	DS201 C20 APR30	2CSR255440R1204		0.240	5
		25	997801	DS201 C25 APR30	2CSR255440R1254		0.240	5
		32	997900	DS201 C32 APR30	2CSR255440R1324		0.240	5
		40	998006	DS201 C40 APR30	2CSR255440R1404		0.240	5
	100	6	126454	DS201 C6 APR100	2CSR255440R2064		0.240	5
		10	126553	DS201 C10 APR100	2CSR255440R2104		0.240	5
		13	126652	DS201 C13 APR100	2CSR255440R2134		0.240	5
		16	126751	DS201 C16 APR100	2CSR255440R2164		0.240	5
		20	126850	DS201 C20 APR100	2CSR255440R2204		0.240	5
		25	126959	DS201 C25 APR100	2CSR255440R2254		0.240	5
		32	127055	DS201 C32 APR100	2CSR255440R2324		0.240	5
		40	127154	DS201 C40 APR100	2CSR255440R2404		0.240	5
	300	6	998105	DS201 C6 APR300	2CSR255440R3064		0.240	5
		10	998204	DS201 C10 APR300	2CSR255440R3104		0.240	5
		13	998303	DS201 C13 APR300	2CSR255440R3134		0.240	5
		16	998402	DS201 C16 APR300	2CSR255440R3164		0.240	5
		20	998501	DS201 C20 APR300	2CSR255440R3204		0.240	5
		25	998600	DS201 C25 APR300	2CSR255440R3254		0.240	5
		32	998709	DS201 C32 APR300	2CSR255440R3324		0.240	5
		40	998808	DS201 C40 APR300	2CSR255440R3404		0.240	5

RCBOs

DS201 series 6000 A type, B characteristic



3

DS201

DS201 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: residential, commercial, industrial.

Standard: IEC/EN 61009

Icn=6 kA

Number of poles	Rated residual current In 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	10	10	995708	DS201 B10 A10	2CSR255140R0105		0.240	5
		13	995807	DS201 B13 A10	2CSR255140R0135		0.240	5
		16	995906	DS201 B16 A10	2CSR255140R0165		0.240	5
	30	6	638506	DS201 B6 A30	2CSR255140R1065		0.240	5
		10	647805	DS201 B10 A30	2CSR255140R1105		0.240	5
		13	655503	DS201 B13 A30	2CSR255140R1135		0.240	5
		16	655602	DS201 B16 A30	2CSR255140R1165		0.240	5
		20	655701	DS201 B20 A30	2CSR255140R1205		0.240	5
		25	766902	DS201 B25 A30	2CSR255140R1255		0.240	5
		32	814504	DS201 B32 A30	2CSR255140R1325		0.240	5
		40	910602	DS201 B40 A30	2CSR255140R1405		0.240	5
	100	6	990307	DS201 B6 A100	2CSR255140R2065		0.240	5
		10	990406	DS201 B10 A100	2CSR255140R2105		0.240	5
		13	990505	DS201 B13 A100	2CSR255140R2135		0.240	5
		16	990604	DS201 B16 A100	2CSR255140R2165		0.240	5
		20	990703	DS201 B20 A100	2CSR255140R2205		0.240	5
		25	990802	DS201 B25 A100	2CSR255140R2255		0.240	5
		32	990901	DS201 B32 A100	2CSR255140R2325		0.240	5
		40	991007	DS201 B40 A100	2CSR255140R2405		0.240	5
	300	6	991908	DS201 B6 A300	2CSR255140R3065		0.240	5
		10	992004	DS201 B10 A300	2CSR255140R3105		0.240	5
		13	992103	DS201 B13 A300	2CSR255140R3135		0.240	5
		16	992202	DS201 B16 A300	2CSR255140R3165		0.240	5
		20	992301	DS201 B20 A300	2CSR255140R3205		0.240	5
		25	992400	DS201 B25 A300	2CSR255140R3255		0.240	5
		32	992509	DS201 B32 A300	2CSR255140R3325		0.240	5
		40	992608	DS201 B40 A300	2CSR255140R3405		0.240	5

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RCBOs

DS201 series 6000 A type, C characteristic



DS201

DS201 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

$I_{cn}=6$ 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			
1+N	10	10	996002	DS201 C10 A10	2CSR255140R0104		0.240	5
		13	996101	DS201 C13 A10	2CSR255140R0134		0.240	5
		16	996200	DS201 C16 A10	2CSR255140R0164		0.240	5
	30	2	123958	DS201 C2 A30	2CSR255140R1024		0.240	5
		4	942306	DS201 C4 A30	2CSR255140R1044		0.240	5
		6	942405	DS201 C6 A30	2CSR255140R1064		0.240	5
		8	124054	DS201 C8 A30	2CSR255140R1084		0.240	5
		10	952503	DS201 C10 A30	2CSR255140R1104		0.240	5
		13	976004	DS201 C13 A30	2CSR255140R1134		0.240	5
		16	976103	DS201 C16 A30	2CSR255140R1164		0.240	5
		20	976202	DS201 C20 A30	2CSR255140R1204		0.240	5
		25	976301	DS201 C25 A30	2CSR255140R1254		0.240	5
		32	990109	DS201 C32 A30	2CSR255140R1324		0.240	5
		40	990208	DS201 C40 A30	2CSR255140R1404		0.240	5
	100	6	991106	DS201 C6 A100	2CSR255140R2064		0.240	5
		10	991205	DS201 C10 A100	2CSR255140R2104		0.240	5
		13	991304	DS201 C13 A100	2CSR255140R2134		0.240	5
		16	991403	DS201 C16 A100	2CSR255140R2164		0.240	5
		20	991502	DS201 C20 A100	2CSR255140R2204		0.240	5
		25	991601	DS201 C25 A100	2CSR255140R2254		0.240	5
		32	991700	DS201 C32 A100	2CSR255140R2324		0.240	5
		40	991809	DS201 C40 A100	2CSR255140R2404		0.240	5
	300	2	124153	DS201 C2 A300	2CSR255140R3024		0.240	5
		4	124252	DS201 C4 A300	2CSR255140R3044		0.240	5
		6	992707	DS201 C6 A300	2CSR255140R3064		0.240	5
		8	124351	DS201 C8 A300	2CSR255140R3084		0.240	5
		10	992806	DS201 C10 A300	2CSR255140R3104		0.240	5
		13	992905	DS201 C13 A300	2CSR255140R3134		0.240	5
		16	993001	DS201 C16 A300	2CSR255140R3164		0.240	5
		20	993100	DS201 C20 A300	2CSR255140R3204		0.240	5
		25	993209	DS201 C25 A300	2CSR255140R3254		0.240	5
		32	993308	DS201 C32 A300	2CSR255140R3324		0.240	5
		40	993407	DS201 C40 A300	2CSR255140R3404		0.240	5

RCBOs

DS201 series 6000 A type, K characteristic



3

DS201

DS201 A type, K 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, commercial, industrial.

Standard: IEC/EN 60947-2

Icn=6 kA

Number of poles	Rated residual current In mA	Rated current In A	Bbn 8012542 EAN	Order details	Price 1 piece	Weight 1 piece kg	Pack unit pc.
1+N	10	10	996309	DS201 K10 A10	2CSR255140R0107	0.240	5
		13	996408	DS201 K13 A10	2CSR255140R0137	0.240	5
		16	996507	DS201 K16 A10	2CSR255140R0167	0.240	5
	30	1	993506	DS201 K1 A30	2CSR255140R1017	0.240	5
		2	993605	DS201 K2 A30	2CSR255140R1027	0.240	5
		4	993704	DS201 K4 A30	2CSR255140R1047	0.240	5
		6	993803	DS201 K6 A30	2CSR255140R1067	0.240	5
		8	123750	DS201 K8 A30	2CSR255140R1087	0.240	5
		10	993902	DS201 K10 A30	2CSR255140R1107	0.240	5
		13	994008	DS201 K13 A30	2CSR255140R1137	0.240	5
		16	994107	DS201 K16 A30	2CSR255140R1167	0.240	5
		20	994206	DS201 K20 A30	2CSR255140R1207	0.240	5
		25	994305	DS201 K25 A30	2CSR255140R1257	0.240	5
		32	994404	DS201 K32 A30	2CSR255140R1327	0.240	5
		40	994503	DS201 K40 A30	2CSR255140R1407	0.240	5
	300	1	994602	DS201 K1 A300	2CSR255140R3017	0.240	5
		2	994701	DS201 K2 A300	2CSR255140R3027	0.240	5
		4	994800	DS201 K4 A300	2CSR255140R3047	0.240	5
		6	994909	DS201 K6 A300	2CSR255140R3067	0.240	5
		8	123859	DS201 K8 A300	2CSR255140R3087	0.240	5
		10	995005	DS201 K10 A300	2CSR255140R3107	0.240	5
		13	995104	DS201 K13 A300	2CSR255140R3137	0.240	5
		16	995203	DS201 K16 A300	2CSR255140R3167	0.240	5
		20	995302	DS201 K20 A300	2CSR255140R3207	0.240	5
		25	995401	DS201 K25 A300	2CSR255140R3257	0.240	5
		32	995500	DS201 K32 A300	2CSR255140R3327	0.240	5
		40	995609	DS201 K40 A300	2CSR255140R3407	0.240	5

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RCBOs

DS201 M series 10000 AC ~ type, B characteristic



DS201 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 ($I_{\Delta n}=30$ mA).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009

I_{cn}=10 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			
1+N	30	6	998907	DS201 M B6 AC30	2CSR275040R1065		0.240	5
		10	999003	DS201 M B10 AC30	2CSR275040R1105		0.240	5
		13	999102	DS201 M B13 AC30	2CSR275040R1135		0.240	5
		16	999201	DS201 M B16 AC30	2CSR275040R1165		0.240	5
		20	999300	DS201 M B20 AC30	2CSR275040R1205		0.240	5
		25	999409	DS201 M B25 AC30	2CSR275040R1255		0.240	5
		32	999508	DS201 M B32 AC30	2CSR275040R1325		0.240	5
		40	999607	DS201 M B40 AC30	2CSR275040R1405		0.240	5
	100	6	106159	DS201 M B6 AC100	2CSR275040R2065		0.240	5
		10	106258	DS201 M B10 AC100	2CSR275040R2105		0.240	5
		13	106357	DS201 M B13 AC100	2CSR275040R2135		0.240	5
		16	106456	DS201 M B16 AC100	2CSR275040R2165		0.240	5
		20	106555	DS201 M B20 AC100	2CSR275040R2205		0.240	5
		25	106654	DS201 M B25 AC100	2CSR275040R2255		0.240	5
		32	106753	DS201 M B32 AC100	2CSR275040R2325		0.240	5
		40	106852	DS201 M B40 AC100	2CSR275040R2405		0.240	5
	300	6	107750	DS201 M B6 AC300	2CSR275040R3065		0.240	5
		10	107859	DS201 M B10 AC300	2CSR275040R3105		0.240	5
		13	107958	DS201 M B13 AC300	2CSR275040R3135		0.240	5
		16	108054	DS201 M B16 AC300	2CSR275040R3165		0.240	5
		20	108153	DS201 M B20 AC300	2CSR275040R3205		0.240	5
		25	108252	DS201 M B25 AC300	2CSR275040R3255		0.240	5
		32	108351	DS201 M B32 AC300	2CSR275040R3325		0.240	5
		40	108450	DS201 M B40 AC300	2CSR275040R3405		0.240	5

RCBOs

DS201 M series 10000 AC type, C characteristic



3 DS201 M

DS201 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: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=10\text{ kA}$

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			
1+N	30	6	999706	DS201 M C6 AC30	2CSR275040R1064		0.240	5
		10	999805	DS201 M C10 AC30	2CSR275040R1104		0.240	5
		13	999904	DS201 M C13 AC30	2CSR275040R1134		0.240	5
		16	105657	DS201 M C16 AC30	2CSR275040R1164		0.240	5
		20	105756	DS201 M C20 AC30	2CSR275040R1204		0.240	5
		25	105855	DS201 M C25 AC30	2CSR275040R1254		0.240	5
		32	105954	DS201 M C32 AC30	2CSR275040R1324		0.240	5
		40	106050	DS201 M C40 AC30	2CSR275040R1404		0.240	5
	100	6	106951	DS201 M C6 AC100	2CSR275040R2064		0.240	5
		10	107057	DS201 M C10 AC100	2CSR275040R2104		0.240	5
		13	107156	DS201 M C13 AC100	2CSR275040R2134		0.240	5
		16	107255	DS201 M C16 AC100	2CSR275040R2164		0.240	5
		20	107354	DS201 M C20 AC100	2CSR275040R2204		0.240	5
		25	107453	DS201 M C25 AC100	2CSR275040R2254		0.240	5
		32	107552	DS201 M C32 AC100	2CSR275040R2324		0.240	5
		40	107651	DS201 M C40 AC100	2CSR275040R2404		0.240	5
	300	6	108559	DS201 M C6 AC300	2CSR275040R3064		0.240	5
		10	108658	DS201 M C10 AC300	2CSR275040R3104		0.240	5
		13	108757	DS201 M C13 AC300	2CSR275040R3134		0.240	5
		16	108856	DS201 M C16 AC300	2CSR275040R3164		0.240	5
		20	108955	DS201 M C20 AC300	2CSR275040R3204		0.240	5
		25	109051	DS201 M C25 AC300	2CSR275040R3254		0.240	5
		32	109150	DS201 M C32 AC300	2CSR275040R3324		0.240	5
		40	109259	DS201 M C40 AC300	2CSR275040R3404		0.240	5

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RCBOs

DS201 T series 6000 A type, B, C and K characteristics



DS201 T

DS201 T A type

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). DS201 T range is able to meet the most strict requirements for railway application in the rolling stock traction business.

Application: railway, rolling stock, traction.

Standard: IEC/EN 61009

I_{cn}=6 kA

B characteristic

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			
1+N	30	6		DS201T B6 A30	2CSR255148R1065		0.240	1
		10		DS201T B10 A30	2CSR255148R1105		0.240	1
		13		DS201T B13 A30	2CSR255148R1135		0.240	1
		16		DS201T B16 A30	2CSR255148R1165		0.240	1
		20		DS201T B20 A30	2CSR255148R1205		0.240	1
		25		DS201T B25 A30	2CSR255148R1255		0.240	1
		32		DS201T B32 A30	2CSR255148R1325		0.240	1
		40		DS201T B40 A30	2CSR255148R1405		0.240	1

C characteristic

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			
1+N	30	6	001430	DS201T C6 A30	2CSR255148R1064		0.240	1
		10	001331	DS201T C10 A30	2CSR255148R1104		0.240	1
		13	001232	DS201T C13 A30	2CSR255148R1134		0.240	1
		16	629832	DS201T C16 A30	2CSR255148R1164		0.240	1
		20	648437	DS201T C20 A30	2CSR255148R1204		0.240	1
		25	648338	DS201T C25 A30	2CSR255148R1254		0.240	1
		32	297031	DS201T C32 A30	2CSR255148R1324		0.240	1
		40	953234	DS201T C40 A30	2CSR255148R1404		0.240	1

K characteristic

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			
1+N	30	6	959434	DS201T K6 A30	2CSR255148R1067		0.240	1
		10	959137	DS201T K10 A30	2CSR255148R1107		0.240	1
		13	958833	DS201T K13 A30	2CSR255148R1137		0.240	1
		16	958536	DS201T K16 A30	2CSR255148R1167		0.240	1
		20	960539	DS201T K20 A30	2CSR255148R1207		0.240	1
		25	960331	DS201T K25 A30	2CSR255148R1257		0.240	1
		32	960133	DS201T K32 A30	2CSR255148R1327		0.240	1
		40	959731	DS201T K40 A30	2CSR255148R1407		0.240	1

RCBOs

DS201 M series 10000 APR type, C characteristic



3

DS201 M

DS201 M APR type, C characteristic

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 ($I_{\Delta n}=30\text{ mA}$); protection and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=10\text{ kA}$

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			
1+N	30	6	114154	DS201 M C6 APR30	2CSR275440R1064		0.240	5
		10	114253	DS201 M C10 APR30	2CSR275440R1104		0.240	5
		13	114352	DS201 M C13 APR30	2CSR275440R1134		0.240	5
		16	114451	DS201 M C16 APR30	2CSR275440R1164		0.240	5
		20	114550	DS201 M C20 APR30	2CSR275440R1204		0.240	5
		25	114659	DS201 M C25 APR30	2CSR275440R1254		0.240	5
		32	114758	DS201 M C32 APR30	2CSR275440R1324		0.240	5
		40	114857	DS201 M C40 APR30	2CSR275440R1404		0.240	5
	100	6	127253	DS201 M C6 APR100	2CSR275440R2064		0.240	5
		10	127352	DS201 M C10 APR100	2CSR275440R2104		0.240	5
		13	127451	DS201 M C13 APR100	2CSR275440R2134		0.240	5
		16	127550	DS201 M C16 APR100	2CSR275440R2164		0.240	5
		20	127659	DS201 M C20 APR100	2CSR275440R2204		0.240	5
		25	127758	DS201 M C25 APR100	2CSR275440R2254		0.240	5
		32	127857	DS201 M C32 APR100	2CSR275440R2324		0.240	5
		40	127956	DS201 M C40 APR100	2CSR275440R2404		0.240	5
	300	6	114956	DS201 M C6 APR300	2CSR275440R3064		0.240	5
		10	115052	DS201 M C10 APR300	2CSR275440R3104		0.240	5
		13	115151	DS201 M C13 APR300	2CSR275440R3134		0.240	5
		16	115250	DS201 M C16 APR300	2CSR275440R3164		0.240	5
		20	115359	DS201 M C20 APR300	2CSR275440R3204		0.240	5
		25	115458	DS201 M C25 APR300	2CSR275440R3254		0.240	5
		32	115557	DS201 M C32 APR300	2CSR275440R3324		0.240	5
		40	115656	DS201 M C40 APR300	2CSR275440R3404		0.240	5

Where to find more:
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available
in the RCDs FAQ document (code
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Maybe you are also interested in:
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Accessories for RCDs p.4/16
Busbar Systems p.4/21

RCBOs

DS201 M series 10000 A type, B characteristic



DS201 M

DS201 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

Icn=10 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			
1+N	10	10	124450	DS201 M B10 A10	2CSR275140R0105		0.240	5
		16	124559	DS201 M B16 A10	2CSR275140R0165		0.240	5
	30	6	109358	DS201 M B6 A30	2CSR275140R1065		0.240	5
		10	109457	DS201 M B10 A30	2CSR275140R1105		0.240	5
		13	109556	DS201 M B13 A30	2CSR275140R1135		0.240	5
		16	109655	DS201 M B16 A30	2CSR275140R1165		0.240	5
		20	109754	DS201 M B20 A30	2CSR275140R1205		0.240	5
		25	109853	DS201 M B25 A30	2CSR275140R1255		0.240	5
		32	109952	DS201 M B32 A30	2CSR275140R1325		0.240	5
		40	110057	DS201 M B40 A30	2CSR275140R1405		0.240	5
	100	6	111054	DS201 M B6 A100	2CSR275140R2065		0.240	5
		10	111153	DS201 M B10 A100	2CSR275140R2105		0.240	5
		13	111252	DS201 M B13 A100	2CSR275140R2135		0.240	5
		16	111351	DS201 M B16 A100	2CSR275140R2165		0.240	5
		20	111450	DS201 M B20 A100	2CSR275140R2205		0.240	5
		25	111559	DS201 M B25 A100	2CSR275140R2255		0.240	5
		32	111658	DS201 M B32 A100	2CSR275140R2325		0.240	5
		40	111757	DS201 M B40 A100	2CSR275140R2405		0.240	5
	300	6	112556	DS201 M B6 A300	2CSR275140R3065		0.240	5
		10	112655	DS201 M B10 A300	2CSR275140R3105		0.240	5
		13	112754	DS201 M B13 A300	2CSR275140R3135		0.240	5
		16	112853	DS201 M B16 A300	2CSR275140R3165		0.240	5
		20	112952	DS201 M B20 A300	2CSR275140R3205		0.240	5
		25	113058	DS201 M B25 A300	2CSR275140R3255		0.240	5
		32	113157	DS201 M B32 A300	2CSR275140R3325		0.240	5
		40	113256	DS201 M B40 A300	2CSR275140R3405		0.240	5

RCBOs

DS201 M series 10000 A type, C characteristic



3

DS201 M

DS201 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: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=10\text{ kA}$

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			
1+N	10	10	124658	DS201 M C10 A10	2CSR275140R0104		0.240	5
		16	124757	DS201 M C16 A10	2CSR275140R0164		0.240	5
	30	4	110156	DS201 M C4 A30	2CSR275140R1044		0.240	5
		6	110255	DS201 M C6 A30	2CSR275140R1064		0.240	5
		10	110354	DS201 M C10 A30	2CSR275140R1104		0.240	5
		13	110453	DS201 M C13 A30	2CSR275140R1134		0.240	5
		16	110552	DS201 M C16 A30	2CSR275140R1164		0.240	5
		20	110651	DS201 M C20 A30	2CSR275140R1204		0.240	5
		25	110750	DS201 M C25 A30	2CSR275140R1254		0.240	5
		32	110859	DS201 M C32 A30	2CSR275140R1324		0.240	5
		40	110958	DS201 M C40 A30	2CSR275140R1404		0.240	5
	100	6	111856	DS201 M C6 A100	2CSR275140R2064		0.240	5
		10	111955	DS201 M C10 A100	2CSR275140R2104		0.240	5
		16	112051	DS201 M C16 A100	2CSR275140R2164		0.240	5
		20	112150	DS201 M C20 A100	2CSR275140R2204		0.240	5
		25	112259	DS201 M C25 A100	2CSR275140R2254		0.240	5
		32	112358	DS201 M C32 A100	2CSR275140R2324		0.240	5
		40	112457	DS201 M C40 A100	2CSR275140R2404		0.240	5
	300	6	113355	DS201 M C6 A300	2CSR275140R3064		0.240	5
		10	113454	DS201 M C10 A300	2CSR275140R3104		0.240	5
		13	113553	DS201 M C13 A300	2CSR275140R3134		0.240	5
		16	113652	DS201 M C16 A300	2CSR275140R3164		0.240	5
		20	113751	DS201 M C20 A300	2CSR275140R3204		0.240	5
		25	113850	DS201 M C25 A300	2CSR275140R3254		0.240	5
		32	113959	DS201 M C32 A300	2CSR275140R3324		0.240	5
		40	114055	DS201 M C40 A300	2CSR275140R3404		0.240	5

Where to find more:
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available
in the RCDs FAQ document (code
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CMS Current Measurement System. A new level of efficiency and availability.

To minimize energy and downtime costs, CMS offers an unique and highly efficient branch monitoring solution. The ultra-compact CMS sensors can be easily integrated in existing and new installations within power distribution units. This provides an unprecedented transparency of the consumption which increases the energy efficiency and service continuity of the plants. www.abb.com/lowvoltage



RCBOs

DS202C technical features



2CSC400002F0202

3

DS202 C

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
	Max. operating voltage of circuit test	V
	Min. operating voltage of circuit test	V
	Rated frequency	Hz
	Rated breaking capacity acc. to IEC/EN 61009	ultimate I_{cn}
	Rated breaking capacity acc. to IEC/EN 60947-2	ultimate I_{cu}
	2P @230 VAC	service I_{cs}
	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
	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
Mechanical features	Toggle	
	Flag indicators	
	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
	Ambient temperature (with daily average $\leq +35$ °C)	°C
	Storage temperature	°C
Installation	Terminal type	top bottom
	Terminal size top/bottom for cables	mm ²
	Terminal size top/bottom for busabar	mm ²
	Tightening torque top/bottom	Nm
	Mounting	
	Connection	
Dimensions and weight	Dimensions (H x D x W)	mm
	Weight	g
Combination with auxiliary elements	Combinable with:	auxiliary contact signal contact shunt trip undervoltage release

DS202C	DS202C M	
IEC / EN 61009		
A	A	APR
2P		
$6 \leq I_n \leq 32$		
0.03-0.3	0.01-0.03-0.3	0.03-0.3
230-240		
500		
254		
110		
50...60		
6000	10000	
10	10	
6	7.5	
6	6	
4		
2.5		
		
		
250 (3000 for APR versions)		
black sealable in ON-OFF position		
differential trip indicator (blue)		
contact position indicator (green/red)		
10000		
20000		
IP4X		
IP2X		
28 cycles with 55°C/90-96% and 25°C/95-100%		
30		
-25...+55		
-40...+70		
failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected)		
failsafe bi-directional cylinder-lift terminal at top and bottom (shock protected)		
25/25		
10/10		
2.8		
on DIN rail EN 60715 (35 mm) by means of fast clip device		
from top and bottom		
85 x 69 x 35		
239		
yes		
yes		
yes		
yes		

RCBOs

DS202C series 6000 A type, B characteristic



2CSC4000060202

3

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

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	132257	DS202C B6 A30	2CSR252140R1065		5
		10	132356	DS202C B10 A30	2CSR252140R1105		5
		13	132455	DS202C B13 A30	2CSR252140R1135		5
		16	132554	DS202C B16 A30	2CSR252140R1165		5
		20	132653	DS202C B20 A30	2CSR252140R1205		5
		25	132752	DS202C B25 A30	2CSR252140R1255		5
		32	132851	DS202C B32 A30	2CSR252140R1325		5
	300	6	132950	DS202C B6 A300	2CSR252140R3065		5
		10	133056	DS202C B10 A300	2CSR252140R3105		5
		13	133155	DS202C B13 A300	2CSR252140R3135		5
		16	133254	DS202C B16 A300	2CSR252140R3165		5
		20	133353	DS202C B20 A300	2CSR252140R3205		5
		25	133452	DS202C B25 A300	2CSR252140R3255		5
		32	133551	DS202C B32 A300	2CSR252140R3325		5

Where to find more:
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available
in the RCDs FAQ document (code
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Maybe you are also interested in:
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Busbar Systems p.4/21

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

Icn=6 kA

Number of poles	Rated residual current In 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	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



3

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

$I_{cn}=10$ 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	10	10	124856	DS202C M B10 A10	2CSR272140R0105		5
		13	117759	DS202C M B13 A10	2CSR272140R0135		5
		16	117858	DS202C M B16 A10	2CSR272140R0165		5
	30	6	118152	DS202C M B6 A30	2CSR272140R1065		5
		10	118251	DS202C M B10 A30	2CSR272140R1105		5
		13	118350	DS202C M B13 A30	2CSR272140R1135		5
		16	118459	DS202C M B16 A30	2CSR272140R1165		5
		20	118558	DS202C M B20 A30	2CSR272140R1205		5
		25	118657	DS202C M B25 A30	2CSR272140R1255		5
		32	118756	DS202C M B32 A30	2CSR272140R1325		5
	300	6	119555	DS202C M B6 A300	2CSR272140R3065		5
		10	119654	DS202C M B10 A300	2CSR272140R3105		5
		13	119753	DS202C M B13 A300	2CSR272140R3135		5
		16	119852	DS202C M B16 A300	2CSR272140R3165		5
		20	119951	DS202C M B20 A300	2CSR272140R3205		5
		25	120056	DS202C M B25 A300	2CSR272140R3255		5
		32	120155	DS202C M B32 A300	2CSR272140R3325		5

Where to find more:

Worldwide Marks and Approvals p.11/92

Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:

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Busbar Systems p.4/21

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

Icn=10 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	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 APR type, B characteristic



2CSC4000060202

3

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 ($I_{\Delta n}=30\text{ mA}$).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=10\text{ kA}$

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			
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

Where to find more:
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:
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Maybe you are also interested in:
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RCBOs

DS202C M series 10000 APR type, C characteristic



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 ($I\Delta n=30\text{ mA}$).

Application: residential, commercial, industrial.

Standard: IEC/EN 61009

$I_{cn}=10\text{ kA}$

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			
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

DS 200 technical features



2CSC400191F0201

3

DS 200

	Standards	
Electrical features	Operating characteristic: type (wave form of the earth leakage sensed)	
	Poles	
	Rated sensitivity $I_{\Delta n}$	
	Rated current I_n	
	Rated voltage U_e	2P
		3P, 4P
	Insulation voltage U_i	
	Max. operating voltage of circuit test	
	Min. operating voltage of circuit test	
	Rated frequency	
	Rated breaking capacity acc. to IEC/EN 61009	ultimate I_{cn}
	Rated breaking capacity	ultimate I_{cu}
	acc. to IEC/EN 60947-2 1P+N @230 VAC, 2P, 3P, 4P @400 VAC	service I_{cs}
	Rated residual breaking capacity $I_{\Delta m}$	
	Rated impulse withstand voltage (1.2/50) U_{imp}	
	Dielectric test voltage at ind. freq. for 1 min.	
	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)	
Mechanical features	Toggle	2P, 3P, 4P
	Electrical life	
	Mechanical life	
	Protection degree	housing
		terminals
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	
	Reference temperature for setting of thermal element	
	Ambient temperature (with daily average $\leq +35^\circ\text{C}$)	
Installation	Storage temperature	
	Terminal type	top
		bottom 2P
		3P/4P $I_n \leq 40\text{ A}$
	Terminal size top/bottom per cable	3P/4P $50\text{ A} \leq I_n \leq 63\text{ A}$
		2P
		3P/4P $I_n \leq 40\text{ A}$
	Tightening torque top/bottom	3P/4P $50\text{ A} \leq I_n \leq 63\text{ A}$
		2P
		3P/4P $I_n \leq 40\text{ A}$
	Mounting	3P/4P $50\text{ A} \leq I_n \leq 63\text{ A}$
		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

DS 200 AC	DS 200 A	DS 200 M AC	DS 200 M A
IEC/EN 61009, IEC/EN 60947-2			
AC	A	AC	A
2P, 3P, 4P			
0.03			
$6 \leq I_n \leq 63 \text{ Ⓢ}$			
230-240			
230/400 - 240/415			
500			
254 (440 for 3P and 4P)			
110 (195 for 3P and 4P)			
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, disconnector abilities			
■	■	■	■
■	■	■	■
	■		
250			
black (MCB) sealable in ON-OFF position + blue (RCD)			
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 and flexible) up to 25/25			
(rigid and flexible) up to 25/16			
(rigid and flexible) up to 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			
715 (35 mm) by means of fast clip devicefrom top and bottom			

RCBOs

DS 200 technical features

3



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	

DS 200 AC	DS 200 A	DS 200 M AC	DS 200 M 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 200 series 6000 - AC type, B characteristic



2CSC400191F0201

DS 202

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2CSC400193F0201

DS 203



2CSC400194F0201

DS 204

Where to find more:

Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

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.

Standard: IEC/EN 61009 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 kg	Pack unit pc.
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 I_n A	Bbn 8012542 EAN	Order details	Price 1 piece	Weight 1 piece kg	Pack unit pc.
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 I_n A	Bbn 8012542 EAN	Order details	Price 1 piece	Weight 1 piece kg	Pack unit pc.
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 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 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 Δ 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	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 Δ 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	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



2CSC400191F0201

DS 202

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2CSC400193F0201

DS 203



2CSC400194F0201

DS 204

Where to find more:

Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available
in the RCDs FAQ document (code
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Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

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 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 Type code	Order code	Price 1 piece	Weight 1 piece kg	Pack unit 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 _{Δn} 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.
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 _{Δn} 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	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



2CSC400191F0201

DS 202



2CSC400193F0201

DS 203



2CSC400194F0201

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 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 kg	Pack unit pc.
				Type code	Order code			
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 kg	Pack unit pc.
				Type code	Order code			
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 kg	Pack unit pc.
				Type code	Order code			
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

2CSC400191F0201

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DS 203

2CSC400193F0201



DS 204

2CSC400194F0201

Where to find more:

Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
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Maybe you are also interested in:

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Accessories for RCDs p.4/16
Busbar Systems p.4/21

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

I_{cn}=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
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 _{Δn} mA	Rated current I _n A	Bbn 8012542 EAN	Order details	Price 1 piece	Weight 1 piece kg	Pack unit
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



2CSC400191F0201

DS 202 M



2CSC400193F0201

DS 203 M



2CSC400194F0201

DS 204 M

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

Icn=10 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 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 Δ 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	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 Δ 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	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 M

2CSC400191F0201



DS 203 M

2CSC400193F0201



DS 204 M

2CSC400194F0201

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

Icn=10 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	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 $I_{\Delta n}$ 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	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 $I_{\Delta n}$ 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	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

Where to find more:

Worldwide Marks and Approvals p.11/92
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available in the RCDs FAQ document (code 2CSC420005B0201)



Maybe you are also interested in:

Auxiliary Elements for RCDs p.4/4

Accessories for RCDs p.4/16

Busbar Systems p.4/21

RCBOs

DS 200 M series 10000 - A type, B characteristic



2CSC400191F0201

DS 202 M



2CSC400193F0201

DS 203 M



2CSC400194F0201

DS 204 M

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

Icn=10 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 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 Δ 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	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 Δ 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	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 M



DS 203 M



DS 204 M

Where to find more:
Worldwide Marks and Approvals
p.11/92
Technical guide of RCDs (code
2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available
in the RCDs FAQ document (code
2CSC420005B0201)



Maybe you are also interested in:
Auxiliary Elements for RCDs p.4/4
Accessories for RCDs p.4/16
Busbar Systems p.4/21

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

Icn=10 kA

Number of poles	Rated residual current I Δ n mA	Rated current In A	Bbn 8012542 EAN	Order details Type code	Order code	Price 1 piece	Weight 1 piece kg	Pack unit pc.
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

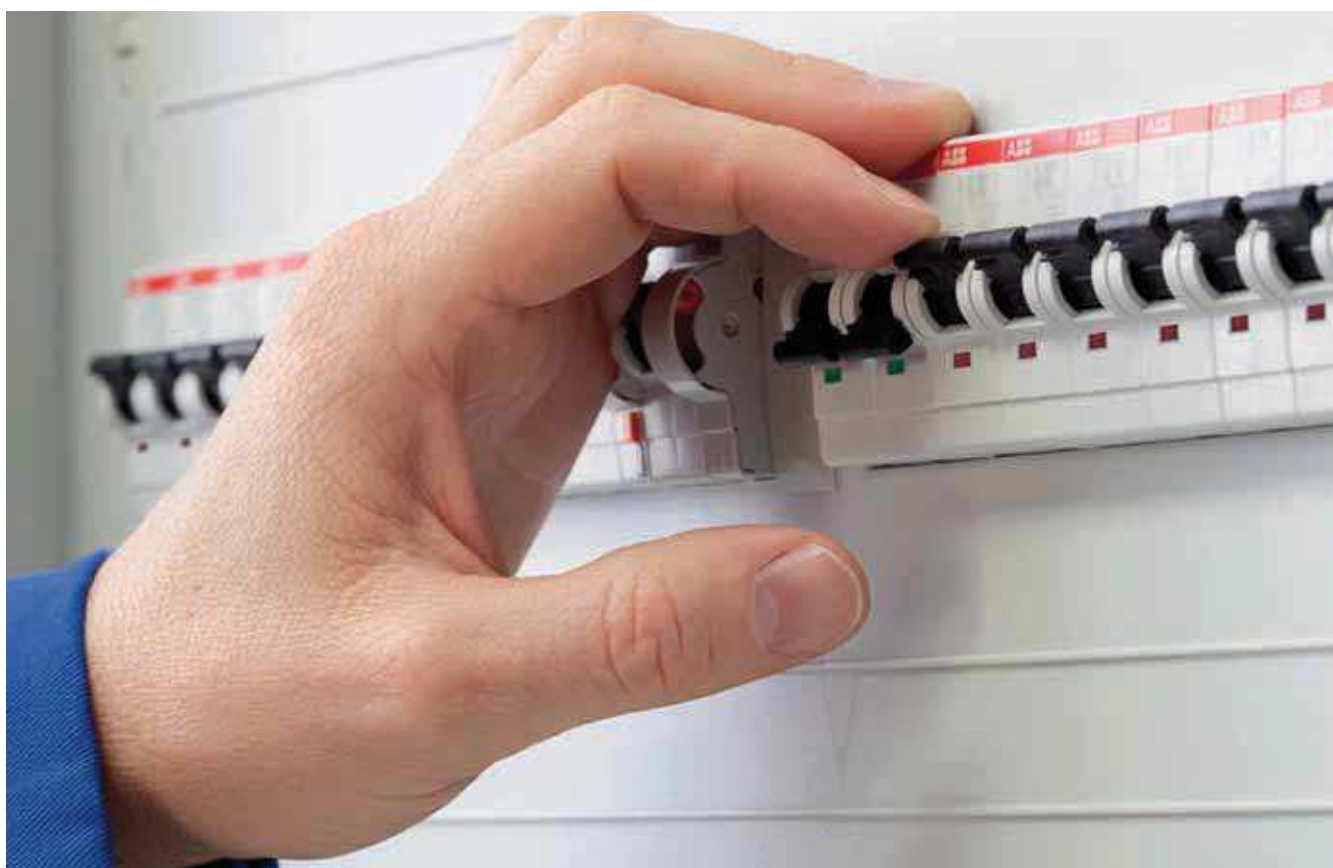
Number of poles	Rated residual current I Δ n mA	Rated current In A	Bbn 8012542 EAN	Order details Type code	Order code	Price 1 piece	Weight 1 piece kg	Pack unit pc.
3	30	6	849506	DS203 M A-C6/0.03	2CSR273101R1064		0.610	1
		10	849605	DS203 M A-C10/0.03	2CSR273101R1104		0.610	1
		13	849704	DS203 M A-C13/0.03	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

Number of poles	Rated residual current I Δ n mA	Rated current In A	Bbn 8012542 EAN	Order details Type code	Order code	Price 1 piece	Weight 1 piece kg	Pack unit pc.
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

Is it possible to switch off AC/DC? Certainly.

The S 200 M UC impresses with its performance range and the accordingly large amount of approvals. Its high inbuilt short circuit breaking capacity across the entire model line, its flexible application for both direct and alternating currents and its approval and compliance in accordance with all major international and local standards make it truly unique. The miniature circuit breaker is a valuable addition to the existing System pro M compact® range which allows all known components to be combined effortlessly with the new model line. Whether warehousing and project engineering, planning and installation or maintaining your equipment, the S 200 M UC is a simple and flexible solution. For more information, see www.abb.com



RCD-blocks

DDA 800 technical features



DDA 800

2CSC400177F0201

3

Standards			
Electrical features	Type (wave form of the earth leakage sensed)		
	Poles		
	Rated current I _n		A
	Rated sensitivity I _{Δn}		A
	Rated voltage U _e		V
	Insulation voltage U _i		V
	Max. operating voltage of circuit test		V
	Min. operating voltage of circuit test		V
	Rated frequency		Hz
	Rated breaking capacity (I _{cn}) acc. to IEC /EN 60947-2		A
	Rated residual breaking capacity I _{Δm}	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		
	Ambient temperature (with daily average ≤ +35 °C)		°C/RH
	Storage temperature		°C
	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 MCBs	Combinable with:	S 800 N	
		S 800 S	

* only on 3P and 4P versions

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					
690					
195					
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					
250			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 $I_{\Delta n}=30$ mA).

Application: commercial, industrial.

Standard: IEC/EN 60947-2 Ann. B

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	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 $I_{\Delta n}$ 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	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 $I_{\Delta n}$ 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	63	924401	DDA804AC-63/0.03	2CSB804001R1630		0.460	1
	300	63	924609	DDA804AC-63/0.3	2CSB804001R3630		0.460	1

Where to find more:
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available in the RCDs FAQ document t (code 2CSC420005B0201)



Maybe you are also interested in:
Auxiliary Elements and Accessories for S800 and DDA 800 p.4/62

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 $I_n=30$ mA).

Application: commercial, industrial.

Standard: IEC/EN 60947-2 Ann. B

Number of poles	Rated residual current In 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	63	920007	DDA802 A-63/0.03	2CSB802101R1630		0.300	1
		100	545033	DDA802 A-100/0.3	2CSB802101R3000		0.415	1
	300	63	920205	DDA802 A-63/0.3	2CSB802101R3630		0.300	1
		100	542636	DDA802 A-100/0.5	2CSB802101R4000		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 In 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	63	922308	DDA803 A-63/0.03	2CSB803101R1630		0.400	1
		100	544135	DDA803 A-100/0.3	2CSB803101R3000		0.640	1
	300	63	922506	DDA803 A-63/0.3	2CSB803101R3630		0.400	1
		100	541738	DDA803 A-100/0.5	2CSB803101R4000		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 In 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	63	924807	DDA804 A-63/0.03	2CSB804101R1630		0.460	1
		100	547532	DDA804 A-100/0.3	2CSB804101R3000		0.765	1
	300	63	925002	DDA804 A-63/0.3	2CSB804101R3630		0.460	1
		100	544937	DDA804 A-100/0.5	2CSB804101R4000		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

3



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 $I_{\Delta n}=30$ mA).

Application: commercial, industrial.

Standard: IEC/EN 60947-2 Ann. B

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	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 $I_{\Delta n}$ 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	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 $I_{\Delta n}$ 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	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

Where to find more:
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:
A complete list of answers is available in the RCDs FAQ document t (code 2CSC420005B0201)



Maybe you are also interested in:
Auxiliary Elements and Accessories for S800 and DDA 800 p.4/62

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 In 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	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 In 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	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 In 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	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

RCBOs

DS800S technical features



DS800S

2CSC413257F001

3

	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
	Max. operating voltage of circuit test		V
	Min. operating voltage of circuit test		V
	Rated frequency		Hz
	Short-circuit breaking capacity	240/415 V	kA
	ultimate I_{cu}	254/440 V	kA
	acc. to IEC/EN 60947-2	289/500 V	kA
	(AC) 50/60 Hz	400/690 V	kA
	Short-circuit breaking capacity	240/415 V	kA
	service I_{cs}	254/440 V	kA
	acc. to IEC/EN 60947-2	289/500 V	kA
	(AC) 50/60 Hz	400/690 V	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
Dimensions and weight	Mounting		
	Dimensions (H x D x W)	2P	mm
		3P	mm
		4P	mm
Combination with auxiliary elements	Weight	2P	g
		3P	g
		4P	g
	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.

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					
690					
195					
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					
					
					
					
					
250	250	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

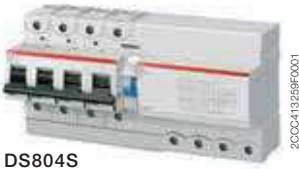
DS800S series 50000 A type B, C, D and K characteristics



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 In 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	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 In 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	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 In 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	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

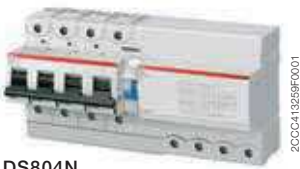
DS800N series 36000 A type B, C and D characteristics



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	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
		I Δ n mA	In A		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	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
		I Δ n mA	In A		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	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
		I Δ n mA	In A		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

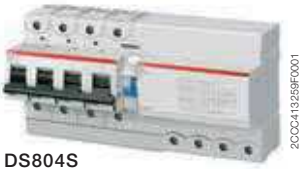
DS800S series 50000 A type selective B, C, D and K characteristics



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 In 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	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 In 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	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

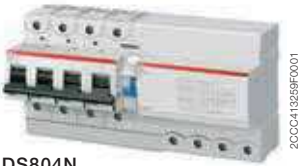
DS800N series 36000 A type selective B, C and D characteristics



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 IΔn 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	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 IΔn 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	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

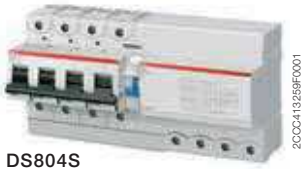
DS800S series 50000 A type, AP-R (high immunity) B, C, D and K characteristics



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 ($I_{\Delta n}=30\text{ mA}$); 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 $I_{\Delta n}\text{ mA}$	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	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 $I_{\Delta n}\text{ mA}$	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	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 $I_{\Delta n}\text{ mA}$	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	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

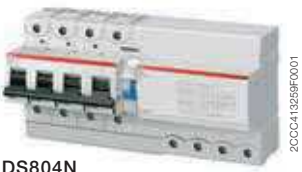
DS800N series 36000 A type, AP-R (high immunity) B, C and D characteristics



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 ($I\Delta n=30\text{ mA}$); 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 $I\Delta n\text{ mA}$	Rated current $I_n\text{ A}$	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 $I\Delta n\text{ mA}$	Rated current $I_n\text{ A}$	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 $I\Delta n\text{ mA}$	Rated current $I_n\text{ A}$	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

RCBOs

DS 271 technical features

3



DS 271

	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
	Max. operating voltage		V
	Min. operating voltage		V
	Rated frequency		Hz
	Rated breaking capacity acc. to IEC/EN 61009	ultimate I_{cn}	kA
	Rated breaking capacity	ultimate I_{cu}	kA
	acc. to IEC/EN 60947-2 1P+N @230 VAC, 2P, 3P, 4P @400 VAC	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
	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
Mechanical features	Toggle		
	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
	Ambient temperature (with daily average $\leq +35$ °C)		°C
	Storage temperature		°C
Installation	Terminal type	top bottom	
	Terminal size top/bottom for cables	1P+N	mm ²
		line side	mm ²
		load side	mm ²
	Tightening torque top/bottom	1P+N	Nm
	Mounting		
Dimensions and weight	Dimensions (H x D x W)	1P+N	mm
	Weight	1P+N	g
Combination- with auxiliary- elements	Combinable with:		auxiliary contact
			signal contact
			shunt trip
			undervoltage release

DS 271 AC	DS 271 A
IEC 61009	
AC	A
1P+N	
$6 \leq I_n \leq 40$	
0.01-0.03-0.1-0.3	
230-240	
500	
254	
85	
50...60	
10	
-	
7.5	
6	
5	
2.5	
	
	
250	
black sealable in on-off position	
10000	
20000	
IP4X	
IP2X	
28 cycles with 55°C/90-96% and 25°C/95-100%	
30	
-25...+55	
-25...+70	
cage (shock protected)	
cage (shock protected)	
-	
L1: 1up to 25; N: flexible 4; FE: flexible 0.75	
L1 and N: 1 up to 10	
2 top; 1.2 bottom	
on DIN rail EN 60715 (35 mm) by means of fast clip device	
120 x 67.6 x 17.5	
205	
no	
no	
no	
no	

RCBOs

DS 271 series AC type B and C characteristics



DS 271

2CSC40007F0201

DS 271 AC type, B and C characteristics

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 ($I_{\Delta n}=30 \text{ mA}$).

Application: residential, commercial, industrial.

Standard: IEC 61009, BSEN61009-2-2

$I_{cn}=10 \text{ kA}$

Charac- teristics/ curve	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			
B	10	6	036753	DS271 AC-B6/0.01 ELN	2CSR175092R0065		0.205	1
		10	036852	DS271 AC-B10/0.01 ELN	2CSR175092R0105		0.205	1
		16	036951	DS271 AC-B16/0.01 ELN	2CSR175092R0165		0.205	1
		20	037057	DS271 AC-B20/0.01 ELN	2CSR175092R0205		0.205	1
		25	037156	DS271 AC-B25/0.01 ELN	2CSR175092R0255		0.205	1
		32	037255	DS271 AC-B32/0.01 ELN	2CSR175092R0325		0.205	1
	30	6	037354	DS271 AC-B6/0.03 ELN	2CSR175092R1065		0.205	1
		10	037453	DS271 AC-B10/0.03 ELN	2CSR175092R1105		0.205	1
		16	037552	DS271 AC-B16/0.03 ELN	2CSR175092R1165		0.205	1
		20	037651	DS271 AC-B20/0.03 ELN	2CSR175092R1205		0.205	1
		25	037750	DS271 AC-B25/0.03 ELN	2CSR175092R1255		0.205	1
		32	037859	DS271 AC-B32/0.03 ELN	2CSR175092R1325		0.205	1/20

Charac- teristics/ curve	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			
C	10	6	038559	DS271 AC-C6/0.01 ELN	2CSR175092R0064		0.205	1
		10	038658	DS271 AC-C10/0.01 ELN	2CSR175092R0104		0.205	1
		16	038757	DS271 AC-C16/0.01 ELN	2CSR175092R0164		0.205	1/20
		20	038856	DS271 AC-C20/0.01 ELN	2CSR175092R0204		0.205	1
		25	038955	DS271 AC-C25/0.01 ELN	2CSR175092R0254		0.205	1
		32	039051	DS271 AC-C32/0.01 ELN	2CSR175092R0324		0.205	1/20
	30	6	039150	DS271 AC-C6/0.03 ELN	2CSR175092R1064		0.205	1
		10	039259	DS271 AC-C10/0.03 ELN	2CSR175092R1104		0.205	1
		16	039358	DS271 AC-C16/0.03 ELN	2CSR175092R1164		0.205	1
		20	039457	DS271 AC-C20/0.03 ELN	2CSR175092R1204		0.205	1
		25	039556	DS271 AC-C25/0.03 ELN	2CSR175092R1254		0.205	1
		32	039655	DS271 AC-C32/0.03 ELN	2CSR175092R1324		0.205	1
	100	40	128755	DS271 AC-C40/0.03 ELN	2CSR175092R1404		0.205	1
		6	039754	DS271 AC-C6/0.1 ELN	2CSR175092R2064		0.205	1
		10	039853	DS271 AC-C10/0.1 ELN	2CSR175092R2104		0.205	1/20
		16	039952	DS271 AC-C16/0.1 ELN	2CSR175092R2164		0.205	1/20
		20	040057	DS271 AC-C20/0.1 ELN	2CSR175092R2204		0.205	1/20
		25	040156	DS271 AC-C25/0.1 ELN	2CSR175092R2254		0.205	1
	300	32	040255	DS271 AC-C32/0.1 ELN	2CSR175092R2324		0.205	1
		6	040354	DS271 AC-C6/0.3 ELN	2CSR175092R3064		0.205	1
		10	040453	DS271 AC-C10/0.3 ELN	2CSR175092R3104		0.205	1
		16	040552	DS271 AC-C16/0.3 ELN	2CSR175092R3164		0.205	1
		20	040651	DS271 AC-C20/0.3 ELN	2CSR175092R3204		0.205	1
		25	040750	DS271 AC-C25/0.3 ELN	2CSR175092R3254		0.205	1
		32	040859	DS271 AC-C32/0.3 ELN	2CSR175092R3324		0.205	1
		40	128854	DS271 AC-C40/0.3 ELN	2CSR175092R3404		0.205	1

Where to find more:

Worldwide Marks and Approvals of RCDs p.11/92
Technical guide of RCDs (code 2CSC420004B0201)



Frequently asked question - FAQ:

A complete list of answers is available in the RCDs FAQ document (code 2CSC420005B0201)



RCBOs

DS 271 series 10000 A type B and C characteristics



DS 271

DS 271 A type, B and C characteristics

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 ($I_{\Delta n}=30$ mA).

Application: commercial, industrial.

Standard: IEC 61009, BSEN61009-2-2

$I_{cn}=10$ kA

Charac- teristics/ curve	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			
B	10	6	032557	DS271 A-B6/0.01 ELN	2CSR175192R0065		0.205	1
		10	032656	DS271 A-B10/0.01 ELN	2CSR175192R0105		0.205	1
		16	032755	DS271 A-B16/0.01 ELN	2CSR175192R0165		0.205	1
		20	032854	DS271 A-B20/0.01 ELN	2CSR175192R0205		0.205	1
		25	032953	DS271 A-B25/0.01 ELN	2CSR175192R0255		0.205	1
		32	033059	DS271 A-B32/0.01 ELN	2CSR175192R0325		0.205	1
	30	6	033158	DS271 A-B6/0.03 ELN	2CSR175192R1065		0.205	1
		10	033257	DS271 A-B10/0.03 ELN	2CSR175192R1105		0.205	1
		16	033356	DS271 A-B16/0.03 ELN	2CSR175192R1165		0.205	1
		20	033455	DS271 A-B20/0.03 ELN	2CSR175192R1205		0.205	1
		25	033554	DS271 A-B25/0.03 ELN	2CSR175192R1255		0.205	1
		32	033653	DS271 A-B32/0.03 ELN	2CSR175192R1325		0.205	1

Charac- teristics/ curve	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			
C	10	6	034353	DS271 A-C6/0.01 ELN	2CSR175192R0064		0.205	1
		10	034452	DS271 A-C10/0.01 ELN	2CSR175192R0104		0.205	1
		16	034551	DS271 A-C16/0.01 ELN	2CSR175192R0164		0.205	1
		20	034650	DS271 A-C20/0.01 ELN	2CSR175192R0204		0.205	1
		25	034759	DS271 A-C25/0.01 ELN	2CSR175192R0254		0.205	1
		32	034858	DS271 A-C32/0.01 ELN	2CSR175192R0324		0.205	1
	30	6	034957	DS271 A-C6/0.03 ELN	2CSR175192R1064		0.205	1
		10	035053	DS271 A-C10/0.03 ELN	2CSR175192R1104		0.205	1/20
		16	035152	DS271 A-C16/0.03 ELN	2CSR175192R1164		0.205	1/20
		20	035251	DS271 A-C20/0.03 ELN	2CSR175192R1204		0.205	1/20
		25	035350	DS271 A-C25/0.03 ELN	2CSR175192R1254		0.205	1
		32	035459	DS271 A-C32/0.03 ELN	2CSR175192R1324		0.205	1
		40	128557	DS271 A-C40/0.03 ELN	2CSR175192R1404		0.205	1
	100	6	035558	DS271 A-C6/0.1 ELN	2CSR175192R2064		0.205	1
		10	035657	DS271 A-C10/0.1 ELN	2CSR175192R2104		0.205	1
		16	035756	DS271 A-C16/0.1 ELN	2CSR175192R2164		0.205	1
		20	035855	DS271 A-C20/0.1 ELN	2CSR175192R2204		0.205	1
		25	035954	DS271 A-C25/0.1 ELN	2CSR175192R2254		0.205	1
		32	036050	DS271 A-C32/0.1 ELN	2CSR175192R2324		0.205	1
	300	6	036159	DS271 A-C6/0.3 ELN	2CSR175192R3064		0.205	1
		10	036258	DS271 A-C10/0.3 ELN	2CSR175192R3104		0.205	1
		16	036357	DS271 A-C16/0.3 ELN	2CSR175192R3164		0.205	1
		20	036456	DS271 A-C20/0.3 ELN	2CSR175192R3204		0.205	1
		25	036555	DS271 A-C25/0.3 ELN	2CSR175192R3254		0.205	1
		32	036654	DS271 A-C32/0.3 ELN	2CSR175192R3324		0.205	1
		40	128656	DS271 A-C40/0.3 ELN	2CSR175192R3404		0.205	1

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