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**TECHNICAL FEATURES**

	Standards		
<b>Electrical features</b>	Type (wave form of the earth leakage sensed)		
	Poles		
	Rated current I <sub>n</sub>		A
	Rated sensitivity I <sub>Δn</sub>		A
	Rated voltage U <sub>e</sub>	IEC	V
		UL/CSA	V
	Insulation voltage U <sub>i</sub>		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 <sub>nc</sub> =I <sub>Δc</sub>	SCPD - fuse gG 100 A	kA
			kA
	Rated impulse withstand voltage (1,2/50) U <sub>imp</sub>		kV
Dielectric test voltage at ind. freq. for 1 min.		kV	
Overvoltage category			
Surge current resistance (wave 8/20)		A	
<b>Mechanical features</b>	Toggle		
	Contact position indicator (CPI)		
	Electrical life		
	Mechanical life		
	Protection degree	housing	
		terminals	
	Tropicalization	humid heat	°C/RH
	acc. to IEC/EN 60068-2	constant climatic conditions	°C/RH
		variable climatic conditions	°C/RH
	Ambient temperature (with daily average ≤ +35 °C)	IEC	°C
	UL/CSA	°C	
Storage temperature		°C	
<b>Installation</b>	Terminal type		
	Terminal size top/bottom for cable	IEC	mm <sup>2</sup>
		UL/CSA	AWG
	Terminal size top/bottom for busbar	IEC	mm <sup>2</sup>
		UL/CSA	AWG
	Tightening torque	IEC	N*m
		UL/CSA	in-lbs.
Tool			
Mounting			
Connection			
Withdrawal from busbar			
<b>Dimensions and weight</b>	Dimensions (H x D x W)	2P	mm
		4P	mm
	Weight	2P	g
	4P	g	
<b>Combination with auxiliary elements</b>	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 mm<sup>2</sup>) ensure that their contact points are cleaned, brushed and coated with grease



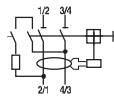
**3**

F200 AC	F200 A	F200 AC AP-R	F200 A AP-R	F200 AC S	F200 A S	F200 A 400 Hz	F200 A 16 2/3 Hz
IEC/EN 61008, UL 1053 (1)						IEC/EN 61008	
AC	A	AC	A	AC	A	A	A
16, 25, 40, 63, 80, 100, 125	25, 40, 63	25, 40, 63	25, 40, 63, 80, 100, 125	40, 63	40, 63, 80, 100, 125	25, 40	2P, 4P 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 63 A)							
500							
254 (440 for 125 A); 440 for F 200 left neutral						254	254
277 (up to 63 A); 480 for F 200 left neutral						-	-
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)							
6							
2.5							
III, disconnector 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 55/95...100							
23/83 - 40/93 - 55/20							
25/95 - 40/95							
-25...+55 (-25...+40 for 125 A)						-25...+55	-25...+55
-35...+70 (up to 63 A)						-	-
-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

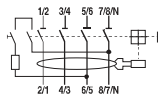
**AC**



2CSF400666F0201



2CSF400669F0201



**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 (with  $\Delta n=30$  mA) contacts.

Application: residential, commercial, industrial.

Standard: IEC/EN 61008

Marking: according to IEC 61008

Number of poles	Rated residual current I <sub>Δn</sub> mA	Rated current In A	Order details		Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
			Type code	Order code					
2	10	16	<b>F202 AC-16/0.01</b>	2CSF202005R0160	<b>814603</b>			0.225	1/6
		25	<b>F202 AC-25/0.03</b>	2CSF202005R1250	<b>814702</b>			0.225	1/6
		40	<b>F202 AC-40/0.03</b>	2CSF202005R1400	<b>814801</b>			0.225	1/6
		63	<b>F202 AC-63/0.03</b>	2CSF202005R1630	<b>814900</b>			0.225	1/6
		80	<b>F202 AC-80/0.03</b>	2CSF202005R1800	<b>935902</b>			0.225	1/6
	100	100	<b>F202 AC-100/0.03</b>	2CSF202005R1900	<b>936008</b>			0.225	1/6
		25	<b>F202 AC-25/0.1</b>	2CSF202005R2250	<b>815006</b>			0.225	1/6
		40	<b>F202 AC-40/0.1</b>	2CSF202005R2400	<b>815105</b>			0.225	1/6
		63	<b>F202 AC-63/0.1</b>	2CSF202005R2630	<b>815204</b>			0.225	1/6
		80	<b>F202 AC-80/0.1</b>	2CSF202005R2800	<b>936107</b>			0.225	1/6
	300	100	<b>F202 AC-100/0.1</b>	2CSF202005R2900	<b>936206</b>			0.225	1/6
		25	<b>F202 AC-25/0.3</b>	2CSF202005R3250	<b>815303</b>			0.225	1/6
		40	<b>F202 AC-40/0.3</b>	2CSF202005R3400	<b>815402</b>			0.225	1/6
		63	<b>F202 AC-63/0.3</b>	2CSF202005R3630	<b>815501</b>			0.225	1/6
		80	<b>F202 AC-80/0.3</b>	2CSF202005R3800	<b>936305</b>			0.225	1/6
500	100	<b>F202 AC-100/0.3</b>	2CSF202005R3900	<b>936404</b>			0.225	1/6	
	80	<b>F202 AC-80/0.5</b>	2CSF202005R4800	<b>936503</b>			0.225	1/6	
	100	<b>F202 AC-100/0.5</b>	2CSF202005R4900	<b>936602</b>			0.225	1/6	
4	30	25	<b>F204 AC-25/0.03</b>	2CSF204005R1250	<b>817109</b>			0.375	1/3
		40	<b>F204 AC-40/0.03</b>	2CSF204005R1400	<b>817208</b>			0.375	1/3
		63	<b>F204 AC-63/0.03</b>	2CSF204005R1630	<b>817307</b>			0.375	1/3
		80	<b>F204 AC-80/0.03</b>	2CSF204005R1800	<b>936701</b>			0.405	1/3
		100	<b>F204 AC-100/0.03</b>	2CSF204005R1900	<b>936800</b>			0.405	1/3
	100	25	<b>F204 AC-25/0.1</b>	2CSF204005R2250	<b>817406</b>			0.375	1/3
		40	<b>F204 AC-40/0.1</b>	2CSF204005R2400	<b>817505</b>			0.375	1/3
		63	<b>F204 AC-63/0.1</b>	2CSF204005R2630	<b>817604</b>			0.375	1/3
		80	<b>F204 AC-80/0.1</b>	2CSF204005R2800	<b>936909</b>			0.405	1/3
		100	<b>F204 AC-100/0.1</b>	2CSF204005R2900	<b>937005</b>			0.405	1/3
	300	25	<b>F204 AC-25/0.3</b>	2CSF204005R3250	<b>817703</b>			0.375	1/3
		40	<b>F204 AC-40/0.3</b>	2CSF204005R3400	<b>817802</b>			0.375	1/3
		63	<b>F204 AC-63/0.3</b>	2CSF204005R3630	<b>817901</b>			0.375	1/3
		80	<b>F204 AC-80/0.3</b>	2CSF204005R3800	<b>937104</b>			0.405	1/3
		100	<b>F204 AC-100/0.3</b>	2CSF204005R3900	<b>937203</b>			0.405	1/3
	500	80	<b>F204 AC-80/0.5</b>	2CSF204005R4800	<b>937302</b>			0.405	1/3
		100	<b>F204 AC-100/0.5</b>	2CSF204005R4900	<b>937401</b>			0.405	1/3