

Product note

DS951 UL

1P+N RCBO UL approved

ABB offers a range of 1P+N RCBOs (Residual current devices with overcurrent protection) DS951 UL that are approved according to UL 1053 standard "Ground-Fault Sensing and Relaying Equipment" making them suitable for installation in equipments/ machines addressed to North American market.

The RCBOs DS951 UL 1053 approved in only two modules width offer complete protection against overload, short-circuit and ground fault.

They are equipped with a single red/green two-color operating toggle and the intervention of the RCBO for ground fault is signalled by means of a blue indicator in a frontal window.



Technical features

Electrical features	Product Standard	IEC/ EN 61009; UL 1053	
	Type (wave form of the earth leakage sensed)	AC	A
	Poles	1P+N	
	Rated sensitivity $I_{\Delta n}$	0,03 - 0,3 A	0,01 - 0,03 - 0,3 A
	Pick-up current [UL 1053]	0,65*rated sensitivity $I_{\Delta n}$	
	Rated current I_n	$10 A \leq I_n \leq 25 A$	$6 A \leq I_n \leq 20 A$
	Rated voltage U_e	230-240 V	
	Insulation voltage U_i	500 V	
	Max. operating voltage of circuit test	277 V	
	Min. operating voltage of circuit test	110 V	
	Rated frequency	50..60 Hz	
	Rated breaking capacity acc. to IEC/EN 61009	Ultimate I_{cn} : 6.000A	
	Rated breaking capacity acc. to IEC/EN 60947-2 1P+N @230 VAC	Ultimate I_{cu} : 10 kA Service I_{cs} : 6 kA	
	Rated residual breaking capacity	$I_{\Delta m}$: 3 kA	
	Rated impulse withstand voltage (1.2/50) U_{imp}	5 kV	
Mechanical features	Dielectric test voltage at ind. freq. for 1 min.	2.5 kV	
	Thermomagnetic release characteristic	B ($3 I_n \leq I_m \leq 5 I_n$) C ($5 I_n \leq I_m \leq 10 I_n$)	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)	250 A	
	Electrical life	10.000 operations	
	Mechanical life	20.000 operations	
	Protection degree	housing: IP4X	terminals: IP2X
Installation	Reference temperature for setting of thermal element	30 °C	
	Ambient temperature (with daily average $\leq +35$ °C)	-25...+55 °C	
	Storage temperature	-40...+70 °C	
	Terminal type	cage (shock protected)	
	Terminal size top/bottom for cables	(rigid and flexible) up to 16/16 mm ²	
	Tightening torque top/bottom	1.2 N*m	
	Mounting	on DIN rail EN 60715 (35mm) by means of fast clip device	
	Supply	from top and bottom	

Ordering details

Type	Thermomagnetic release characteristic	Rated residual current $I_{\Delta n}$ [mA]	Rated current [A]	Code	Description	EAN Code	Quantity	Weight (g)
AC	B	30	10	2CSR155017R1105	DS951 B10 AC30	8012542232452	1	200
			16	2CSR155017R1165	DS951 B16 AC30	8012542232551	1	200
			20	2CSR155017R1205	DS951 B20 AC30	8012542232650	1	200
		300	10	2CSR155017R3105	DS951 B10 AC300	8012542232759	1	200
			16	2CSR155017R3165	DS951 B16 AC300	8012542232858	1	200
			20	2CSR155017R3205	DS951 B20 AC300	8012542232957	1	200
	C	30	10	2CSR155017R1104	DS951 C10 AC30	8012542233053	1	200
			16	2CSR155017R1164	DS951 C16 AC30	8012542233152	1	200
			20	2CSR155017R1204	DS951 C20 AC30	8012542233251	1	200
		300	25	2CSR155017R1254	DS951 C25 AC30	8012542233350	1	200
			10	2CSR155017R3104	DS951 C10 AC300	8012542233459	1	200
			16	2CSR155017R3164	DS951 C16 AC300	8012542233558	1	200
A	B	10	10	2CSR155117R0105	DS951 B10 A10	8012542233756	1	200
			13	2CSR155117R0135	DS951 B13 A10	8012542233855	1	200
			16	2CSR155117R0165	DS951 B16 A10	8012542233954	1	200
		30	6	2CSR155117R1065	DS951 B6 A30	8012542234050	1	200
			10	2CSR155117R1105	DS951 B10 A30	8012542234159	1	200
			13	2CSR155117R1135	DS951 B13 A30	8012542234258	1	200
		300	16	2CSR155117R1165	DS951 B16 A30	8012542234357	1	200
			20	2CSR155117R1205	DS951 B20 A30	8012542234456	1	200
		300	10	2CSR155117R3105	DS951 B10 A300	8012542234555	1	200
			13	2CSR155117R3135	DS951 B13 A300	8012542234654	1	200
			16	2CSR155117R3165	DS951 B16 A300	8012542234753	1	200
			20	2CSR155117R3205	DS951 B20 A300	8012542234852	1	200
	C	10	10	2CSR155117R0104	DS951 C10 A10	8012542234951	1	200
			13	2CSR155117R0134	DS951 C13 A10	8012542235057	1	200
			16	2CSR155117R0164	DS951 C16 A10	8012542235156	1	200
		30	10	2CSR155117R1104	DS951 C10 A30	8012542235255	1	200
			13	2CSR155117R1134	DS951 C13 A30	8012542235354	1	200
			16	2CSR155117R1164	DS951 C16 A30	8012542235453	1	200
		300	20	2CSR155117R1204	DS951 C20 A30	8012542235552	1	200
			10	2CSR155117R3104	DS951 C10 A300	8012542235651	1	200
			13	2CSR155117R3134	DS951 C13 A300	8012542235750	1	200
		300	16	2CSR155117R3164	DS951 C16 A300	8012542235859	1	200
			20	2CSR155117R3204	DS951 C20 A300	8012542235958	1	200
	K	30	10	2CSR155117R1107	DS951 K10 A30	8012542236054	1	200
			16	2CSR155117R1167	DS951 K16 A30	8012542236153	1	200
			20	2CSR155117R1207	DS951 K20 A30	8012542236252	1	200
		300	10	2CSR155117R3107	DS951 K10 A300	8012542236351	1	200
			16	2CSR155117R3167	DS951 K16 A300	8012542236450	1	200
			20	2CSR155117R3207	DS951 K20 A300	8012542236559	1	200

2CS0422029L0201 - 04/2013 - 000 Pz.

Overall dimensions

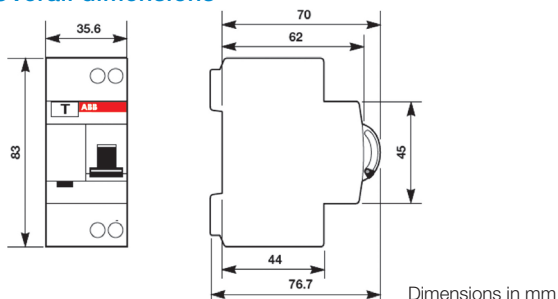


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