

TECHNICAL SPECIFICATION

Residual current protection type A - JEL 1A



Description:

These are Residual Current Devices (RCDs) JEL 1A with enhanced sensibility and fast - operating protection devices applicable in circuits with harmonic or direct pulsating current component presence.

Functions:

- switching off electrical circuits on load at conductor insulation breaking to the consumer
- switching off electrical circuits on load at direct and indirect contact
- switching off electrical circuits on load at alternating earth fault currents during consequent light impact
- switching off consumers at harmonic presence due to luminescent lights
- switching off consumers in DC circuits at fault currents presence
- mechanical indicator for ON position

Technical data:

- Rated operating voltage: 230/400V; 50 Hz
- Rated current: according to the table
- Responsiveness: 30; 100; 300; 500mA
- Time delay until break: <0.1s at I Δ n and <0.04s at 2I Δ n
- Short circuit current wear resistance: 6000A
- Electrical wear resistance (number of cycles): \geq 5000
- Mechanical wear resistance (number of cycles): \geq 10000
- IP code: IP>20

Connecting:

- Power supply busbar (only for bipolar)
- Flexible or rigid conductors with corresponding section

Mounting:

- on DIN-rail
- mounting position: vertical

Variants:

Type	Number of poles	Breaking capacity (kA)	Rated current I _n (A)	Catalogue number Leakage current I Δ (mA)			
				30	100	300	500
JEL 1A	2P	6	10.0	40510	40512	40513	40514
JEL 1A	2P	6	16.0	40516	40517	40518	40519
JEL 1A	2P	6	20.0	40592	40593	40594	40595
JEL 1A	2P	6	25.0	40521	40522	40523	40524
JEL 1A	2P	6	32.0	40531	40532	40533	40534
JEL 1A	2P	6	40.0	40541	40542	40543	40544
JEL 1A	2P	6	63.0	40561	40562	40563	40564
JEL 1A	2P	6	80.0	40581	40582	40583	40584
JEL 1A	2P	6	100.0	40591	40596	40597	40598

Type	Number of poles	Breaking capacity (kA)	Rated current In(A)	Catalogue number Leakage current I Δ (mA)			
				30	100	300	500
JEL 1A	4P	6	10.0	40610	40612	40613	40614
JEL 1A	4P	6	16.0	40616	40617	40618	40619
JEL 1A	4P	6	20.0	40692	40693	40694	40695
JEL 1A	4P	6	25.0	40621	40622	40623	40624
JEL 1A	4P	6	32.0	40631	40632	40633	40634
JEL 1A	4P	6	40.0	40641	40642	40643	40644
JEL 1A	4P	6	63.0	40661	40662	40663	40664
JEL 1A	4P	6	80.0	40681	40682	40683	40684
JEL 1A	4P	6	100.0	40691	40696	40697	40698

Residual current devices JEL 1A, 6kA - Type A - alternating and pulsating direct fault currents sensible Impulse with-stand voltage 2000VAC/400VDC

Standards:

EN 61008-1

EN 61008-2

EN 60947-1