

B-TYPE RCBO FOR EV CHARGERS

- EVC-002174537 & EVC-002174538

These residual current circuit breakers feature integral overcurrent protection, and are the only 2-pole compact versions of RCBO B type on the market.

Residual current sensitivity – UNIVERSAL

- AC pure sinus residual current, 50/60Hz
- A sinus and pulsating direct current, 50/60Hz
- B AC + A + smooth direct current + high frequency (1kHz)

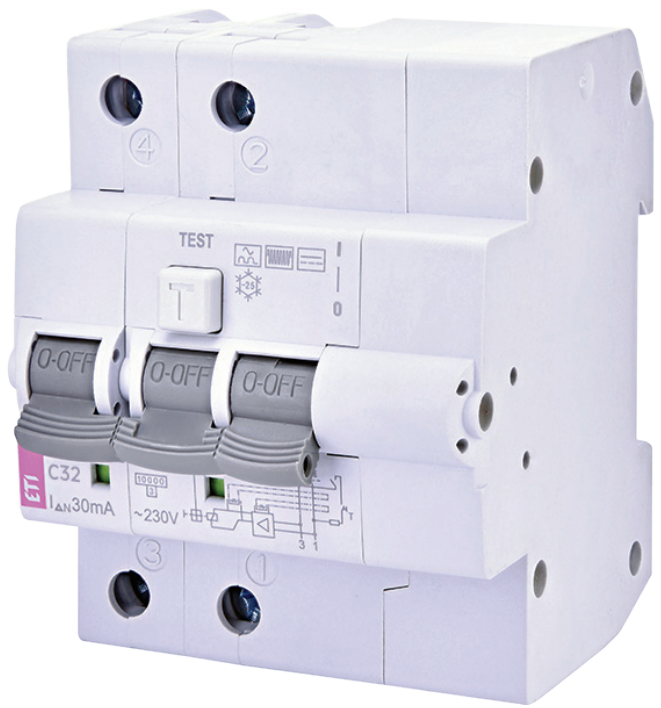
Standards

IEC/EN 61009-1 Basic standards for RCBOs AC and A type
IEC/EN 62423 additional requirements for type B

Mode of operation

Pure AC and pulsating DC type residual current sensitivity, A voltage independent

Smooth DC current sensitivity: B voltage dependent
Minimum operating voltage: 50V



TYPICAL APPLICATIONS

- Fault protection (protection against indirect contact of live parts)
- Additional protection (protection in case of direct contact of live parts, $I_{\Delta n} \leq 30\text{mA}$)
- Fire Protection (for locations exposed to fire hazard)

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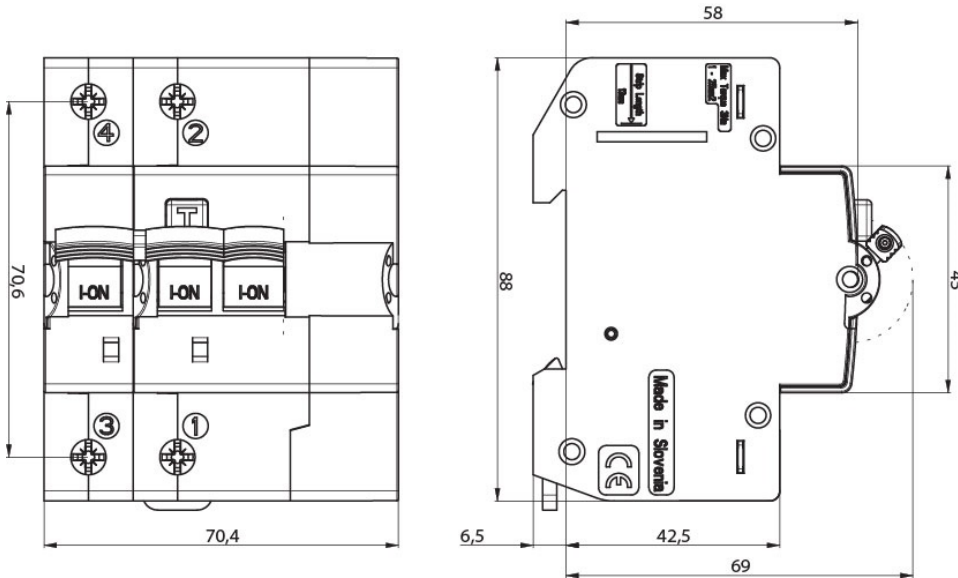
Which are vulnerable to smooth DC residual currents:

- Photovoltaic systems, AC side
- Charging stations for electric vehicles
- Variable speed machine tools
- UPS, computer data centres
- Elevator controls
- Cranes of all kinds
- Electronic equipment on construction sites
- Test set-ups in laboratories
- General installations where DC smooth direct residual currents can be expected

SPECIFICATIONS

Cat No.	EVC-002174537	EVC-002174538
Weight (g)	369	
Level	RESIDUAL & OVER CURRENT PROTECTION RCBO	
Short Circuit Capacity (kA)	10	
Rated Current (A)	32	40
Rated Residual Current (A)	0.03	
Current Type	B	

DIMENSION DRAWING



ETIM INTERNATIONAL CLASSIFICATION

Voltage Type	AC
Built-in Depth	69mm
Nominal Rated Current	32 A OR 40A
Nominal Rated Voltage	230/240 V
Release Characteristic	C
Rated Fault Current	0.03 A
Leakage Current Type	B
Surge Current Capacity	3 kA
Current Limiting Class	3
Width in Number of Modular Spacings	4
Frequency	50/60 Hz
Degree of Protection (IP)	IP20
Number of Protected Poles	2
Rated Short Circuit Breaking Capacity EN 60898	10 kA
Rated Short Circuit Breaking Capacity IEC 60947-2	10 kA
Suitable for Flush-Mounted Installation	Yes
Number of Poles (Total)	2
Anti- nuisance Tripping Version	Yes
SAA Approval #	181904