

# EVC-002174537

## - B-TYPE RCBO FOR EV CHARGER INSTALLATION

This residual current circuit breaker features integral overcurrent protection, and is the only 2-pole compact version 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

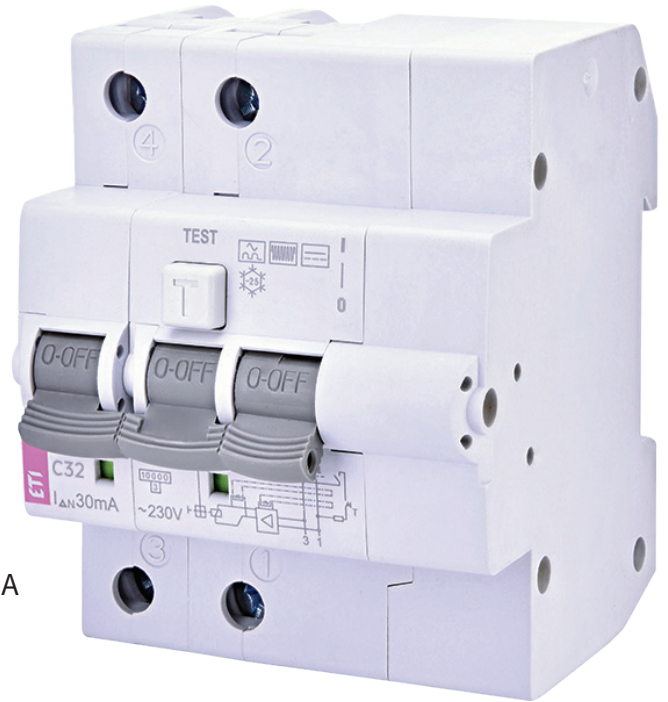
Minimum operating voltage: 50V

### 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)

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



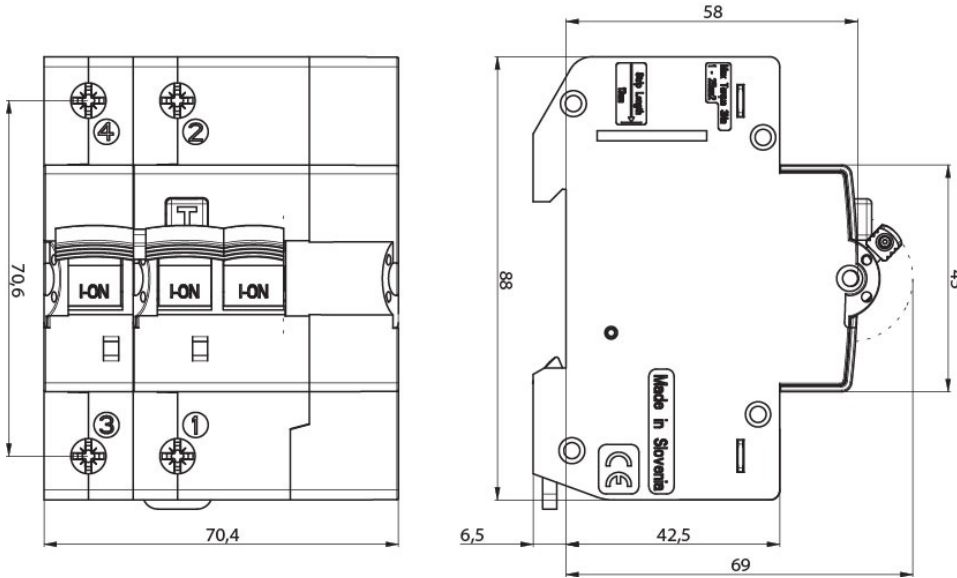
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### SPECIFICATIONS

Cat No.	EVC-002174537
Description	KZS-4M 2P B C32/0.03
Weight (g)	369
Level	RESIDUAL & OVER CURRENT PROTECTION RCBO
Short Circuit Capacity (kA)	10
Rated Current (A)	32
Rated Residual Current (A)	0.03
Current Type	B

### DIMENSION DRAWING



### ETIM INTERNATIONAL CLASSIFICATION

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