

Specifically designed EV Charging Enclosure Kits for installers of electric vehicle charging applications.

### Key Features

- Fully enclosed metal construction with drop-down metal cover
- Includes Type A 40 Amp C Curve RCBO
- Multiple circular cable entry knockouts on the top and bottom
- Circular cable entry knockouts on sides (EVKIT-1 only)
- Raised key holes for secure easy installation
- Raised DIN Rail improves cable routing (EVKIT-1 only)
- BS EN 61439-3 compliant
- Standard & Slimline versions available
- IP20 protection rating
- Captive screws on protection cover



EVKIT-1



EVKIT-2

### RCBO Features

Specifically selected for EV Charging applications and **included in EVKIT-1 and EVKIT-2**, the B6CR1N40-30-A Residual Current-Circuit Breaker with Overload has been designed for protection of electrical installations against earth fault / leakage current, overload and short circuit and is manufactured in accordance with IEC 61009.

- Provides protection against earth / leakage current, overload, short circuit and function of isolation
- Contact position indicating window; transparent cover to carry label
- High short circuit current withstand capacity
- Finger protected terminals
- Handle padlock device

Tripping characteristics in accordance with C type curves

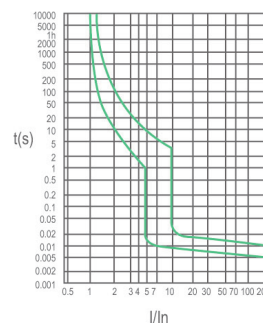
- Curve C:  $5-10 I_n$



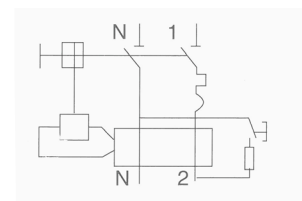
### RCBO Specifications

In accordance with:	IEC 61009
Certification:	CE, SEMKO, RCM
Pole composition:	2P
Residual current characteristics:	A
Tripping Curve:	C
Calibration temperature:	+30°C
Rated current :	40A
Rated short circuit capacity :	10kA
Rated frequency:	50/60Hz
Rated voltage:	230VAC
Rated residual operating current $I_{\Delta n}$ :	30mA
Residual tripping current range:	$0.5 I_{\Delta n} \sim 1 I_{\Delta n}$
Electrical lifetime	> 4,000 cycles
Fastening torque:	2.0Nm
Terminal capacity:	35mm <sup>2</sup> solid, 25mm <sup>2</sup> stranded conductor
Mounting on	DIN rail EN 60715 (EN 50022)
Protection degree:	IP20
Operating temperature range:	-25°C - +55°C

### Tripping Curve C



### Wiring Diagram



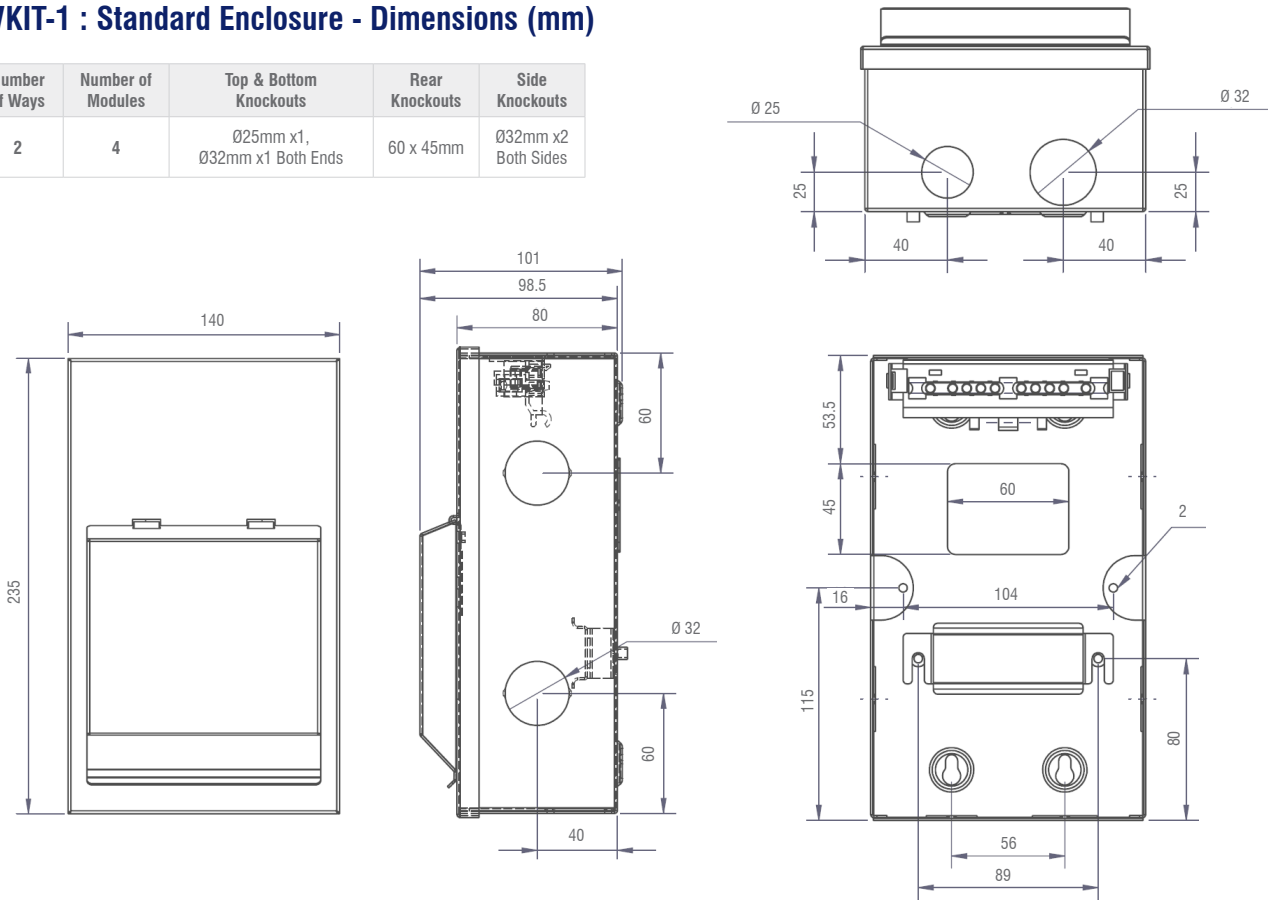
### EVKIT Options

Part Number	EVKIT-1	EVKIT-2
Enclosure Type	Standard	Slimline
Number of Ways	2	2
Number of Modules	4	4
Construction Material	Metal	
Protection Rating	IP20	
Colour	Signal White - RAL9003	

NOTE: EVKIT-1 & EVKIT-2 are supplied in kit form

### EVKIT-1 : Standard Enclosure - Dimensions (mm)

Number of Ways	Number of Modules	Top & Bottom Knockouts	Rear Knockouts	Side Knockouts
2	4	Ø25mm x1, Ø32mm x1 Both Ends	60 x 45mm	Ø32mm x2 Both Sides



### EVKIT-2 : Slimline Enclosure - Dimensions (mm)

Number of Ways	Number of Modules	Top & Bottom Knockouts	Rear Knockouts	Side Knockouts
2	4	Ø25mm x 1, Ø32mm x 1 (Both Ends)	N/A	N/A

