



Safevolt® 100 & 300 EV PME automatic fault detector

- No need for isolation transformer or convert to TT - utilise existing PME - Complies fully with 7671 Amd. 1 - available with 6mA DC trip
- No excavation for earth electrodes - maintains touch safe distance
- Compact or use with adaptable box
- Use on single phase PME installations & balanced/unbalanced three phase installs - micro earth sensor for three phase unbalanced
- British designed and manufactured - IET Code compliant - Fail safe automatic operation, auto reset & manual test.

The New CityEV Safevolt® - Install charge points compliant with 18th Edition recommendations and IET Code of Practice for Electric Vehicle Charging Equipment. Simple indoor installation of the CityEV SafeVolt® PEN fault detector for single and three phase installs

No need to convert to TT or install isolation transformer or earth electrodes - eliminate site excavation and making good with the simple installation of the CityEV SafeVolt® unit indoors - section 722.411.4.1 (iii)) protection against shock may be provided by a device which disconnects the EVSE from the line, neutral and PE of the supply within 5 seconds in the event of the voltage between the PME and true earth exceeds 40 V rms, - CityEV Safevolt® install the (optional) micro ground connection and simply connect in series with the charge point - disconnects L/N/E in the event of a PEN fault - clear indication and manual reset by consumer. Works with any single phase EV charge point up to 7Kw, 32A and three phase 22Kw.

- 1ph or 3ph charge point to 32A/phase
- Simple installation - 3 year warranty



CityEV Safevolt® 100 & 300 EV PME Specifications

Operating Parameters	
Operating Voltage Range (AC)	205V to 260V
Maximum Load Current	32A per phase (single and three phase)
Earth Fault Isolation	3 pole - L, N, E, (and L2, L3 three phase)
Maximum Probe Impedence	120K Ohm
Earth sensing	Voltage or probe sensing - installer choice
Micro Earth Probe	Single phase optional - supplied for three phase
Earth Fault Touch Voltage Threshold	40VAC
Earth Fault Trip Delay	4 Seconds
Earth Fault Trip Reset	Manual
Connectors	Terminals L/N/E min 2.5mm ² - max 10mm ² (L2, L3 three phase)
Indicators	
Mains Power On	
Output On	
Sense Probe Fault	
Earth Fault Trip	
Controls	
RCD Test	
Earth Fault Trip Test & Reset	
Diagnostics	
Continuous monitoring of sense probe impedance with fault indication and output isolation in case of fault	
Dimensions	
210mm W x 140mm H x 75mm D	
Wall Mounting	Full instruction manual & 3 year warranty
Weight	
750g	
Environmental	
Operating Temperature	-20°C to +45°C
Operating Humidity	95% RH
Indoor Installation Only	IP 32
Screw mounting to wall etc. - multi cable knockouts - use with adaptable box for SWA	
Model Availability	
Safevolt 100	7Kw 32A single phase
Safevolt 100 DCB	7Kw 32A single phase with 6mA DC block
Safevolt 300	22kw 32A per phase three phase with 6mA DC block
Safevolt micro probe	Standard with Safevolt 300, optional with Safevolt 100



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