



Passionate about protection and control

EV CHARGING SOLUTIONS

*MONITORING, CONTROL
& PROTECTION SOLUTIONS
FOR*

AC CHARGING
STATIONS

DC RAPID & MEGAWATT
CHARGING
STATIONS

ELECTRICAL
SWITCHBOARDS

ELECTRICAL
DISTRIBUTION
CABINETS

EV and beyond...



RESIDUAL CURRENT MONITORS

RCM-EV-01*

Dual mounting option



Key Features:

- Fixed 6mA DC and 30mA AC trip levels
- For Mode 2 and Mode 3 applications
- Combined single switching output
- 13.5mm dia. cable aperture

Benefits:

- ✓ Compliant with IEC 62752
- ✓ Mounting options - PCB (/P*) or direct to cable (/S*)

* add suffix to end of part no.
see far right actual for connector types

RCM-EV-02*

Dual mounting option



Key Features:

- Fixed 6mA DC trip level
- For Mode 3 applications
- Single switching output
- 13.5mm dia. cable aperture

Benefits:

- ✓ Compliant with IEC 62955
- ✓ Mounting options - PCB (/P*) or direct to cable (/S*)

* add suffix to end of part no.
see far right actual for connector types

RCM-EV-03

PCB mounted



Key Features:

- Fixed 6mA DC and 30mA AC trip levels
- For Mode 2 and Mode 3 applications
- Two independent switching outputs
- 13.5mm dia. cable aperture

Benefits:

- ✓ Compliant with IEC 62752
- ✓ PCB mounting



/P variant



/S variant

RCM-EV-04 & 06

Low profile, Through-hole cable aperture



Key Features (RCM-EV-04):

- Fixed 6mA DC and 30mA AC trip levels
- For Mode 2 and Mode 3 applications
- Two independent switching outputs
- 13.5mm dia. cable aperture

Benefits:

- ✓ Compliant with IEC 62752



Key Features (RCM-EV-06):

- Fixed 6mA DC trip level
- For Mode 3 applications
- Single switching output
- 13.5mm dia. cable aperture

Benefits:

- ✓ Compliant with IEC 62955

RCM-EV-05 & 07

Slimline



Key Features (RCM-EV-05):

- Fixed 6mA DC and 20mA AC trip levels
- For Mode 2 applications
- Two independent switching outputs
- 13.5mm dia. aperture

Benefits:

- ✓ Compliant with IEC 62752 & UL 2231-2



Key Features (RCM-EV-07):

- Fixed 6mA DC trip level
- For Mode 3 applications
- Single switching output
- 13.5mm dia. aperture

Benefits:

- ✓ Compliant with IEC 62955

RCM-EV-08, 09 & 11

Low profile, Integrated primary conductors



Key Features (RCM-EV-08):

- Fixed 6mA DC and 30mA AC trip levels
- For Mode 2 and Mode 3 applications
- Two independent switching outputs
- 4 integrated primary conductors

Benefits:

- ✓ Compliant with IEC 62752



Key Features (RCM-EV-09):

- Fixed 6mA DC trip level
- For Mode 3 applications
- Single switching output
- 4 integrated primary conductors

Benefits:

- ✓ Compliant with IEC 62955



Key Features (RCM-EV-11):

- Fixed 6mA DC and 20mA AC trip levels
- Two independent switching outputs
- 4 integrated primary conductors

Benefits:

- ✓ Compliant with IEC 62752 & UL 2231-2

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Click on the product image in the PDF copy of this brochure for data sheets and further technical information.

Alternatively, visit:

www.renewableenergyprotection.com

IMD100

Insulation Monitoring Device

Key Features:

- Suitable for network voltages up to 1000VDC
- Maximum system leakage capacitance – 25 μ F
- Pre-set measurement levels – Fault 100k Ω , Warning 500k Ω
- System voltage monitoring with undervoltage and overvoltage detection
- MODBUS RTU connection

Benefits:

- ✓ Insulation monitoring according to IEC 61557-8
- ✓ Monitoring of insulation resistance in accordance with CHAdeMO standard
- ✓ Compliant with UL 2231-1/-2
- ✓ For integration into Mode 4, high-voltage DC EV charging stations



Dims: to DIN 43880
W. 70mm

IMD125

Insulation Monitoring Device for Megawatt Charging (MCS)

Key Features:

- Suitable for network voltages up to 1250VDC
- Maximum system leakage capacitance – 25 μ F
- Pre-set measurement levels – Fault 100k Ω , Warning 500k Ω
- System voltage monitoring with undervoltage and overvoltage detection
- Isolated MODBUS RTU or CAN bus communication options
- DC bus output disconnect option

Benefits:

- ✓ Designed specifically for Megawatt Charging Systems (MCS)
- ✓ Compliant with UL 2231-1/-2
- ✓ Insulation monitoring according to IEC 61557-8
- ✓ Monitoring of insulation resistance in accordance with CHAdeMO standard
- ✓ No external coupler required, reducing BOM cost and installation complexity



Dims: to DIN 43880
W. 70mm

GP-01

V2G Powerline Module



Key Features:

- Line-driver and built-in filtering included
- 3.3V DC operation
- Built-in over voltage protection

Benefits:

- ✓ Compliant with IEC 61851
- ✓ Guaranteed long-range transmission
- ✓ Low energy consumption

GP-02

V2G Powerline Module



Key Features:

- On-board transformer and coupling components
- 3.3V DC operation
- Built-in over voltage protection
- Industrial temperature range operation

Benefits:

- ✓ Compliant with IEC 61851

GP-03

V2G Powerline Module

Key Features:

- On-board micro including ISO 15118 stack
- Optional IEC 61851 Control Pilot PWM generation plus voltage monitoring
- Built-in 1:1:1 signal transformer

AVAILABLE
Q4 2026

GP-04

V2G Powerline Module

Key Features:

- As GP-02
- Includes pin headers providing a pluggable mounting option



ELR30PN

Type A Earth Leakage Relay & Toroids

Type A 

Key Features:

- Type A operating characteristics - Monitors and detects AC and pulsed DC fault currents
- Built-in NFC for fast configuration and commissioning
- Selectable trip level and time delay allowing for discrimination between units
- 2 independent user configurable relay outputs for shunt trips, undervoltage releases and/or contactors
- Suitable for monitoring single and three-phase supplies
- High sensitivity version available - selectable down to 6mA (Part No. ELR01PN)

Benefits:

- ✓ Protects both personnel and equipment
- ✓ DIN rail mounting for easy integration in to EV distribution/switchboards
- ✓ Core balance current transformer apertures size options to suit installation type/circuit ratings
- ✓ Compliant with IEC 60947-2 / Annex M.



ELR Dims: to DIN 43880
W. 44mm

ELRB-03

Type B Earth Leakage Relay & Toroids

Type B 

Key Features:

- Type B operating characteristics - Monitors and detects AC, pulsed DC and smooth DC fault currents
- NFC option expands product features and capabilities
- Selectable trip level and time delay allowing for discrimination between units
- 2 independent relay outputs for shunt trips, undervoltage releases and/or contactors
- Suitable for monitoring single and three-phase supplies

Benefits:

- ✓ Protects both personnel and equipment
- ✓ DIN rail mounting - easy integration in to electrical cabinets, distribution boards or charging posts
- ✓ Core balance current transformer (toroid) apertures size options to suit installation type and circuit ratings
- ✓ Compliant with IEC 60947-2 / Annex M



ELR Dims: to DIN 43880
W. 44mm

Distributor:

LXPRC-4W-EV PEN Fault Detection Relay

Key Features:

- For use with Electric Vehicle Charging Stations
- Automatic power up detection of single-phase or 3-phase and neutral supplies
- Auto-resetting

Benefits:

- ✓ Dual purpose - Meets the requirements of BS7671: Am.1, 2020
 - Section 722.411.4.1 (iii) - detecting "Open PEN" in 3-phase applications
 - Section 722.411.4.1 (iv) - detecting under or over voltages in single-phase applications
- ✓ Compact 17.5mm wide housing, DIN rail mounting
- ✓ UL Listed



Inspired by over 60 years of exceptional customer service

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