Western Automation

RESEARCH & DEVELOPMENT

Making Electricity Safer by Design

2 & 4 POLE TYPE EV RCCB

The RCCB Type EV is intended for the detection of DC and/or AC residual currents in AC or DC installations. The RCCB is ideally suited for use with EV charging stations (Mode 3 Protection), and for fault current detection on AC or DC installations.

MAIN FEATURES

- Residual Current 6mA DC / 10mA AC or 6mA DC / 30mA AC
- Operates from a 230V AC single phase supply (2 Pole) or 400V AC phase to phase (4 Pole)
- For use with 2 or 3 phase loads rated up to 63A
- Complies with the international standard of electric vehicle charging mode 3 (IEC62955)
- 3000A Surge Current Withstand
- Test button facility
- ROHS compliant

ELECTRICAL & MECHANICAL PARAMETERS	
Rated Residual Current (IΔn)	0.01A and 0.03A
Rated Load Current (In)	20A to 63A
Connections to Line Side	Top terminals
Rated Making and Breaking Capacity (Im)	630A
Conditional Short-Circuit Capacity (Inc)	6000A
Rated Impulse Withstand Voltage	4kV
Electrical and Mechanical Endurance	4000 operations
Operating Temperature Range	-5ºC to 40ºC / -25ºC per Clause 9.Z1 of EN61008
Residual Current Operating Frequency Range	DC to 50Hz
Trip Time Characteristic	General type (non delayed)
Test Means	Test circuit / button
Test Circuit Operating Voltage	>0.85Un Phase to Neutral
Degree of Protection	IP20
Pollution Degree	2
Mechanical Dimensions	4 Pole – Width:72mm, Height: 86.5mm 2 Pole - Width: 36mm, Height: 86.5mm
Mounting	DIN rail (EN60715)
Storage Conditions **Relative Humidity (Non-condensing)** **Storage Temperature**	95% Maximum -30°C to +85°C