

RCM14-03 SYSTEM - RESIDUAL CURRENT MONITOR

The RCM14-03 System is a Residual Current Monitor intended for the detection of DC and AC Residual currents in Mode 2 EV Charging Systems where such currents may flow under a fault condition.

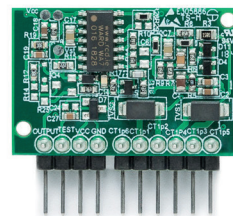
The RCM14-03 System comprises of a CT with 14mm aperture, and a Sensor PCB intended to be mounted directly onto a printed circuit board by OEMs.

The RCM14-03 System may be used to detect 6mA DC and 30mA AC Residual Currents in DC, single phase or 3 phase installations, and is the equivalent of RCM14-03.

This product is fully compliant with the detection requirements of IEC62752.

MAIN FEATURES

- Operates from a 12-24V DC Supply
- External Test Facility
- "Fault" signal output
- Frequency Response DC and 50 & 60Hz
- ROHS 2 compliant
- Complies with the DC and AC detection requirements of IEC62752
- 3000A Surge Current Withstand



Order Code: 90136

SEE ALSO

RCM14-01 SYSTEM	6mA DC Detection to IEC62955, 14mm CT Aperture
RCM14-03	6mA DC/30mA AC Detection to IEC 62752, 14mm CT Aperture
RCM14-04 SYSTEM	56mA DC/20mA AC Detection to UL2231-2, 14mm CT Aperture
RCM01-02	6mA DC/30mA AC Detection to IEC 62752, 9mm CT Aperture

The RCM14-03 System is intended for operation with a supply voltage of 12-24V DC +/-10%. Performance may be compromised if the supply voltage is outside these limits.

When a Residual Fault Current that exceeds the rated AC or DC level is detected, the RCM14-03 System Output pin will switch to the “Fault” state within the specified response times. The Output pin will Auto-Reset when the Fault is removed.

See Application Sheet WA-AS-032 for Connection Diagram

All dimensions in mm
CAD model available on request




Datasheet: RCM14-03 System
WA-DS-032-Rev D