

Differential current monitoring - EV-RCM-6DC-WAT - 1309697

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The residual current monitoring module is used for AC and DC residual current detection in AC charging points. The higher-level safety equipment (e.g., residual current device) is protected against potential DC residual currents.

Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 560669
GTIN	4063151560669
Custom tariff number	85437090
Country of origin	China

Technical data

Product definition

Type	1-channel
Application	Residual current monitoring module for detecting AC and DC residual voltages in 50/60 Hz AC installations
Standards/regulations	IEC 62955
Charging standard	Type 2
Charging mode	Mode 3
Number of supported charging points	1
Special packaging quantity	1
Conformance	CE-compliant
Manufacturer	Western Automation
Manufacturer Designation	RCM14-03

Dimensions

Height	33.6 mm
Width	60.7 mm
Depth	32.50 mm

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Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP20

Measuring range of the residual current

Residual current $I_{\Delta n}$	30 mA (AC)
	6 mA (DC)
Rated current I_n	100 A (1-phase)
	40 A (3-phase)

Measuring current transducer

Diameter of measuring coil	14 mm
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Data interfaces

Connection data

Connection method	Pin strip
Conductor cross section AWG	26

Device supply

Supply voltage range	10.8 V DC ... 13.2 V DC (nominal voltage range)
Nominal power consumption	60 mW
Frequency range	50 Hz ... 60 Hz

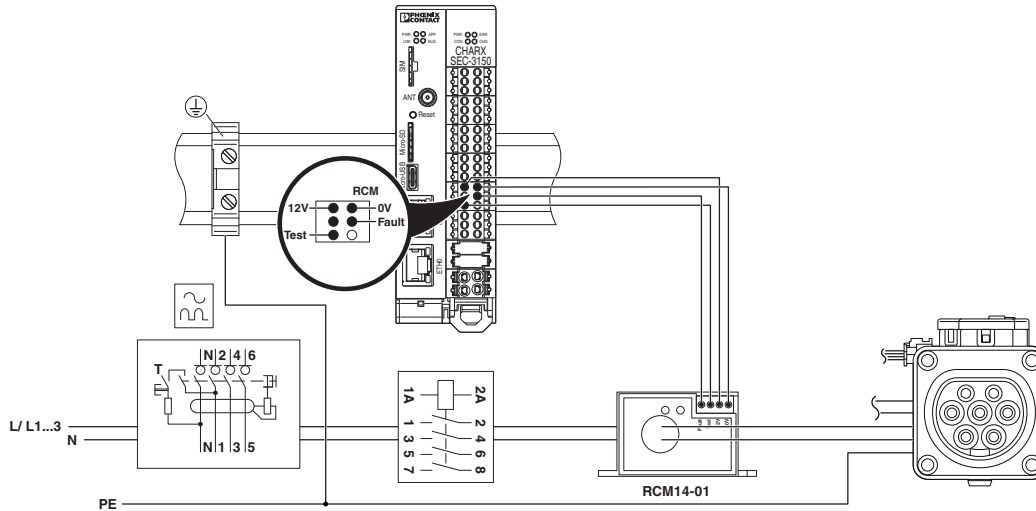
Mounting

Mounting position	any
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Drawings

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Connection diagram



Classifications

eCl@ss

eCl@ss 11.0	27144703
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ETIM

ETIM 7.0	EC002889
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Accessories

Accessories

AC charging controller

AC charging controller - CHARX SEC-1000 - 1139034



CHARX control modular, AC charging controller according to IEC 61851-1. Configurable charging controller. operating mode Stand-alone or client. interface: CHARX control modular system bus. Connectable peripheral devices: Energy meter, RFID, DC residual current detection. DIN rail mounting

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Accessories

AC charging controller - CHARX SEC-3000 - 1139022



CHARX control modular, AC charging controller according to IEC 61851-1. Embedded Linux system. operating mode Stand-alone, server, or client. interface: Ethernet (2x), CHARX control modular system bus, MICRO-USB type C. communication protocol: OCPP 1.6J, Modbus/TCP, MQTT. Connectable peripheral devices: Energy meter, RFID, DC residual current detection. DIN rail mounting

AC charging controller - CHARX SEC-3050 - 1139018



CHARX control modular, AC charging controller according to IEC 61851-1, ISO/IEC 15118. Embedded Linux system. operating mode Stand-alone, server, or client. interface: Ethernet (2x), CHARX control modular system bus, MICRO-USB type C. communication protocol: OCPP 1.6J, Modbus/TCP, MQTT. Connectable peripheral devices: Energy meter, RFID, DC residual current detection. DIN rail mounting

AC charging controller - CHARX SEC-3100 - 1139012



CHARX control modular, AC charging controller according to IEC 61851-1. Embedded Linux system. operating mode Stand-alone, server, or client. interface: Ethernet (2x), Cellular communication (4G/2G), CHARX control modular system bus, MICRO-USB type C. communication protocol: OCPP 1.6J, Modbus/TCP, MQTT. Connectable peripheral devices: Energy meter, RFID, DC residual current detection. DIN rail mounting

AC charging controller - CHARX SEC-3150 - 1138965



CHARX control modular, AC charging controller according to IEC 61851-1, ISO/IEC 15118. Embedded Linux system. operating mode Stand-alone, server, or client. interface: Ethernet (2x), Cellular communication (4G/2G), CHARX control modular system bus, MICRO-USB type C. communication protocol: OCPP 1.6J, Modbus/TCP, MQTT. Connectable peripheral devices: Energy meter, RFID, DC residual current detection. DIN rail mounting