

EV-RCM-6DC-WAT-X10 - Differential current monitoring

1309695

<https://www.phoenixcontact.com/us/products/1309695>

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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.

Commercial data

Item number	1309695
Packing unit	1 pc
Minimum order quantity	10 pc
Sales key	EM01
Product key	XWBBFK
GTIN	4063151560867
Weight per piece (including packing)	46.4 g
Weight per piece (excluding packing)	46.4 g
Customs tariff number	85437090
Country of origin	CN

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Technical data

Product properties

Product type	Residual current monitoring module
Product family	CHARX control modular
Application	Residual current monitoring module for detecting AC and DC residual voltages in 50/60 Hz AC installations
Type	1-channel
Manufacturer	Western Automation
Manufacturer Designation	RCM14-03
Charging standard	Type 2
Charging mode	Mode 3

System properties

Charging controllers

Number of charging points	1
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Electrical properties

Type of charging current	AC
Power consumption	min. 60 mW

Measuring current transducer

Diameter of measuring coil	14 mm
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Measuring range: 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)

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

Connection data

Conductor connection

Connection method	Pin strip 4-pos.
Conductor cross section AWG	26

Interfaces

Number of interfaces	2 (Error/Test)
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Dimensions

Width	60.7 mm
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Height	33.6 mm
Depth	32.50 mm

Environmental and real-life conditions

Ambient conditions

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

Approvals

Conformity/Approvals

Conformance	CE-compliant
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Standards and regulations

Standards

Standards/regulations	IEC 62955
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Mounting

Mounting position	any
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Classifications

ECLASS

ECLASS-11.0	27144703
ECLASS-12.0	27144703
ECLASS-13.0	27144703

ETIM

ETIM 8.0	EC002889
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UNSPSC

UNSPSC 21.0	39121800
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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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Accessories

CHARX SEC-1000 - AC charging controller

1139034

<https://www.phoenixcontact.com/us/products/1139034>



CHARX control modular, AC charging controller, IEC 61851-1, operating mode: Stand-Alone, Client, interface: CHARX control modular system bus, Connectable peripheral devices: Energy meter, RFID, DC residual current detection, DIN rail mounting

CHARX SEC-3000 - AC charging controller

1139022

<https://www.phoenixcontact.com/us/products/1139022>



CHARX control modular, AC charging controller, with Embedded Linux system, IEC 61851-1, operating mode: Stand-Alone, Client, Server, interface: Ethernet (2 x), 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

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CHARX SEC-3050 - AC charging controller

1139018

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CHARX control modular, AC charging controller, with Embedded Linux system, IEC 61851-1, ISO 15118, operating mode: Stand-Alone, Client, Server, 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

CHARX SEC-3100 - AC charging controller

1139012

<https://www.phoenixcontact.com/us/products/1139012>



CHARX control modular, AC charging controller, with Embedded Linux system, IEC 61851-1, operating mode: Stand-Alone, Client, Server, interface: Ethernet (2 x), 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

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CHARX SEC-3150 - AC charging controller

1138965

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CHARX control modular, AC charging controller, with Embedded Linux system, IEC 61851-1, ISO 15118, operating mode: Stand-Alone, Client, Server, 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

CHARX SEC JST-RCM-CBL - Cable set

1360462

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CHARX control modular, Cable set, 4-pos., with plug-in contact at one end, Exclusively for connecting the EV-RCM-6DC-WAT residual current sensor, Item no.: 1309697 to modules in the CHARX control modular charging controller family, length: 0.4 m

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