

1309695

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CHARX control modular, 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	10 pc
Minimum order quantity	10 pc
Sales key	****
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
Туре	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

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)	

Dimensions

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	Width	60.7 mm		



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Mounting

Mounting position

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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
Standards and regulations Standards	
Standards/regulations	IEC 62955

any



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27144703
	ECLASS-12.0	27144703
	ECLASS-13.0	27144703
ET	IM	
	ETIM 9.0	EC002889

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Environmental product compliance

EU R	oHS
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Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%



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Accessories

CHARX SEC-1000 - AC charging controller

1139034

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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/in/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

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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., length: 0.4 m, with plug-in contact at one end, For connecting the EV-RCM-6DC-WAT residual current monitor, item no.: 1309697 and CHARX RFID/NFC-PCB, item no.: 1391227 to the modules of the CHARX control modular charging controller family

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PHOENIX CONTACT (I) Pvt. Ltd. A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420 info@phoenixcontact.co.in