

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

1309697

<https://www.phoenixcontact.com/us/products/1309697>



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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	1309697
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBRYA
GTIN	4063151560669
Weight per piece (including packing)	67.6 g
Weight per piece (excluding packing)	72.4 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
Manufacturer	Western Automation
Manufacturer Designation	RCM14-03
Number of charging points	1
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-13.0	27144703
ECLASS-15.0	27144703

### ETIM

ETIM 9.0	EC002889
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### UNSPSC

UNSPSC 21.0	39121800
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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