EM-EV-CLR-12V - Voltage monitoring device

2903246

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The EV Charge Lock Release monitors the 12 V operating voltage of the electrically driven plug locking actuator, routes locking and unlocking signals, and sends an unlocking pulse to the actuator when the operating voltage fails.

Commercial data

Item number	2903246
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBRBY
GTIN	4046356728843
Weight per piece (including packing)	132 g
Weight per piece (excluding packing)	124 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Product properties

Product type	Voltage monitoring relay
Product family	CHARX control advanced
Charging standard	Type 2
Charging mode	Mode 3
Operating mode	Stand-Alone
Modem for communication present	no
Number of charging points	1

Electrical properties

Type of charging current	AC 3-phase

Supply

Supply voltage	12 V DC ±5 %
Current consumption	max. 4 mA (in idle state)
Current carrying capacity	≤ 4 A

Input data

Digital

Number of digital inputs	1
Frequency range	50 Hz ... 60 Hz
Nominal power consumption	< 0.5 W (No-load)
Nominal current I_N	approx. 5 mA
Nominal input voltage U_N	12 V
Input voltage range U1	-3 V ... 3 V (Off)
Input voltage range U2	-30 V ... -10 V (Locking ON)
Input voltage range U3	10 V ... 30 V (Unlocking ON)

Output data

Switching

Output name	Relay output OUT+/-
Minimum switching power	46 VA
Maximum switching voltage	approx. 11.5 V (Operating/capacitor voltage minus the diode voltage of ~ 0.5 V)
Max. switching current	4 A
Current carrying capacity	≤ 4 A

Interfaces

Locking release in the event of mains failure	Integrated release function of the locking actuator for disconnection of Infrastructure Plug and Infrastructure Socket Outlet

Dimensions

Charging controller

Width	35.6 mm
Height	90 mm
Depth	61 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 60 °C

Standards and regulations

Standards

Standards/regulations	IEC 61851-1
	EN 61000-6-2
	EN 61000-6-3

Mounting

Mounting type	DIN rail mounting
Mounting position	any

Classifications

ECLASS

ECLASS-15.0	27144703
ECLASS-13.0	27144703

ETIM

ETIM 10.0	EC002889

UNSPSC

UNSPSC 21.0	39121800

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
SCIP	3e1dadb2-2907-4480-90e1-38d7ddcecef8

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