Locking - EV-T2M3S-E-LOCK12V - 1624129

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CHARX connect, Locking, For attaching to infrastructure charging sockets, Type 2, GB/T, IEC 61851-1, length: 0.5 m, Locking actuator: 12 V, 4-position, Can be positioned flexibly, Generation 1

Product Description

Locking actuator with 12 V power supply for infrastructure charging sockets

Your advantages

- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Material data available in the IMDS (International Material Data System of the automotive industry)
- Manual emergency release of the locking actuator
- Integrated interlock during charging

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 239880
GTIN	4055626239880
Weight per Piece (excluding packing)	100.000 g
Custom tariff number	85011099
Country of origin	Germany

Technical data

Product definition

Application	For attaching to infrastructure charging sockets
Design	Generation 1
Standards/regulations	IEC 61851-1

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Technical data

Product definition

Charging standard	Type 2
	GB/T
Charging mode	Mode 2, 3, 4

Dimensions

Conductor length	0.5 m (Locking actuator cables)

Ambient conditions

Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Max. altitude	5000 m (above sea level)

Mounting

Possible mounting positions	Can be positioned flexibly

Design

Design line	Generation 1
Housing color	black

Locking actuator

Number of positions of theconnectors	4
Operating voltage	12 V (Typical power supply at the motor)
Possible power supply range at the motor	9 V ... 16 V
Maximum voltage for locking detection	30 V
Typical motor current for locking	0.2 A
Reverse current of the motor	max. 1 A
Max. dwell time with reverse current	1000 ms
Recommended adaptation time	600 ms
Pause time after entry or exit path	3 s
Service life insertion cycles	> 10000 load cycles
Ambient temperature (operation)	-30 °C ... 50 °C
Cable length	0.5 m
Cable structure	4 x 0.5 mm²
Lock recognition	available
Mechanical emergency release	available

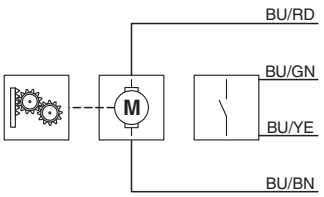
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

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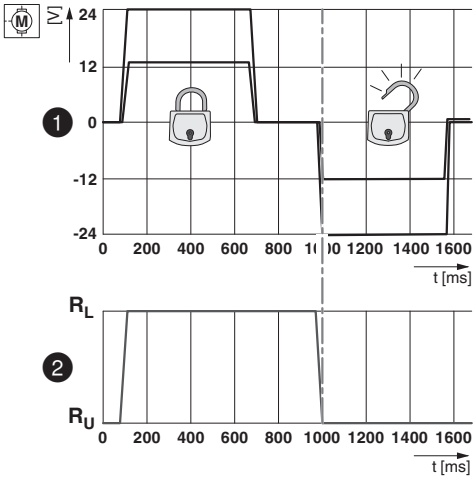
Drawings

Block diagram



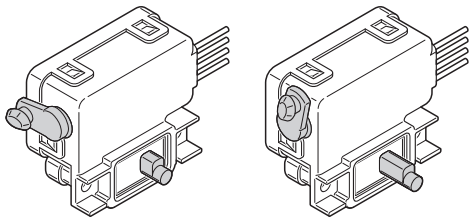
Block diagram of the locking actuator

Diagram



Locking states of the locking actuator

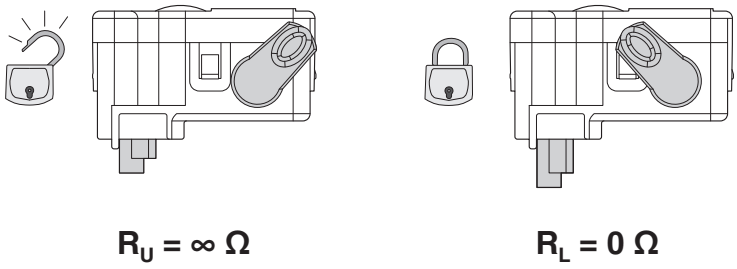
Schematic diagram



Lever positions for emergency release

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Schematic diagram

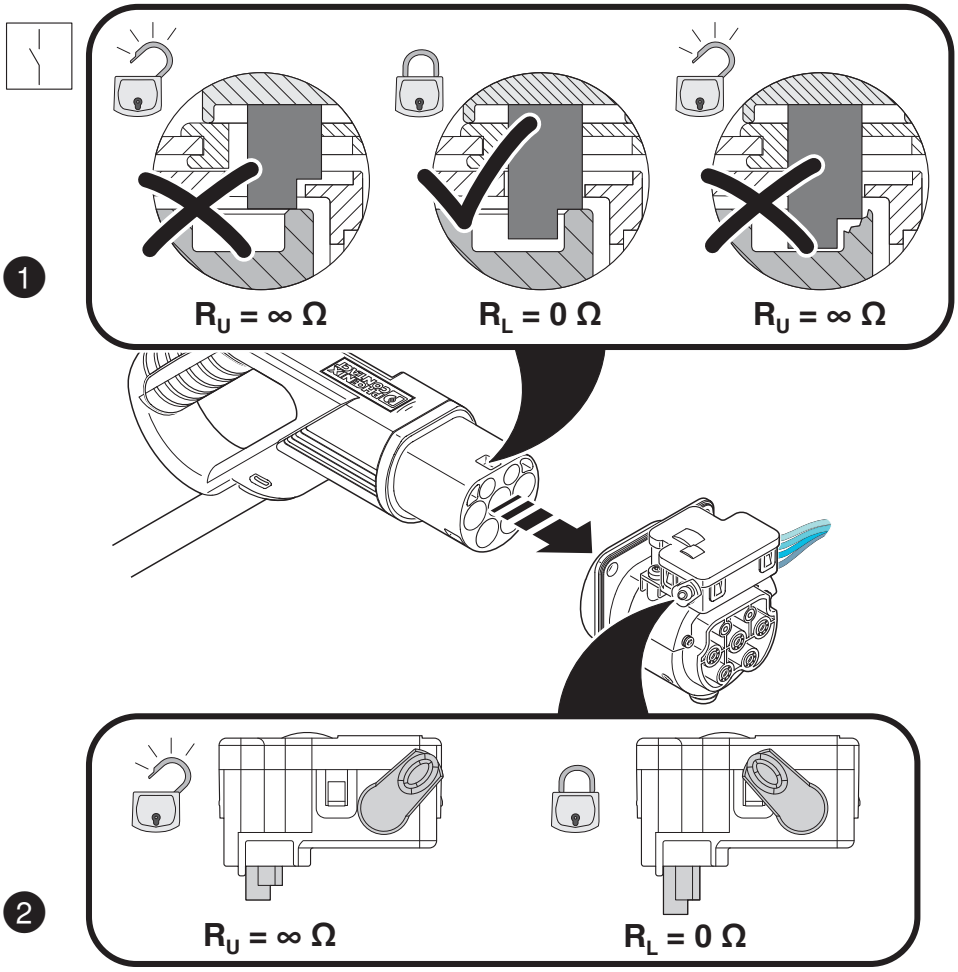


$R_U = \infty\ \Omega$ $R_L = 0\ \Omega$

Lever positions for emergency release

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Schematic diagram



Detection of the Infrastructure Plug

Classifications

eCl@ss

eCl@ss 10.0.1	27144792
eCl@ss 11.0	27144792
eCl@ss 4.0	27141200
eCl@ss 4.1	27141200
eCl@ss 5.0	27149100
eCl@ss 5.1	27149100
eCl@ss 6.0	27261200
eCl@ss 7.0	27440208

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Classifications

eCl@ss

eCl@ss 9.0	27144792

ETIM

ETIM 2.0	EC000241
ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 6.0	EC002884
ETIM 7.0	EC002884

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Accessories

Additional products

Holder - EV-T2M3S-E-LOCK-HOLDER - 1065832

CHARX connect, Holder, Locking actuator brackets for infrastructure socket outlets, Type 2, GB/T, IEC 61851-1, Generation 1

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