

## 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



### 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)
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### 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
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### Design

Design line	Generation 1
Housing color	black

### Locking actuator

Number of positions of the connectors	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 mm <sup>2</sup>
Lock recognition	available
Mechanical emergency release	available

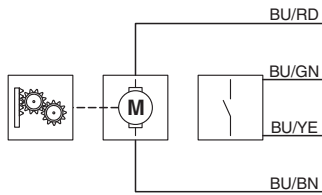
### Environmental Product Compliance

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

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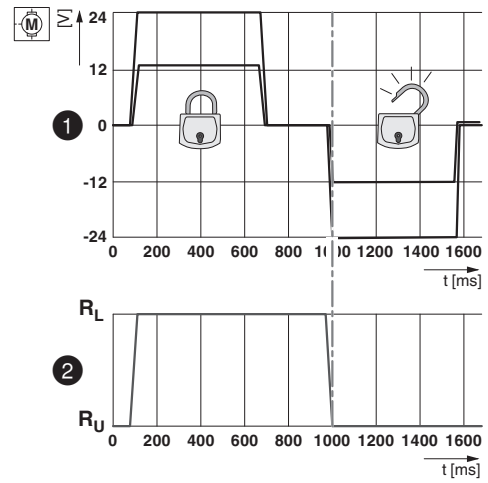
## Drawings

Block diagram



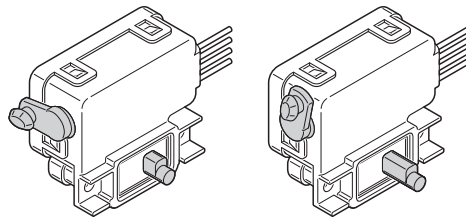
Block diagram of the locking actuator

Diagram



Locking states of the locking actuator

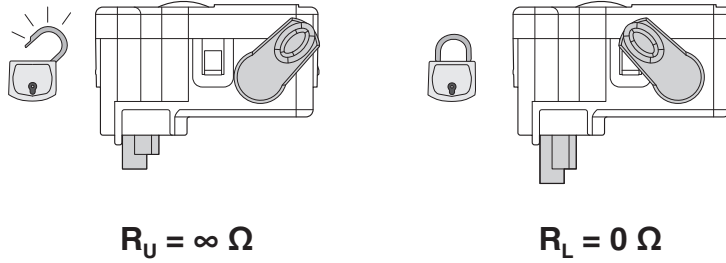
Schematic diagram



Lever positions for emergency release

## Locking - EV-T2M3S-E-LOCK12V - 1624129

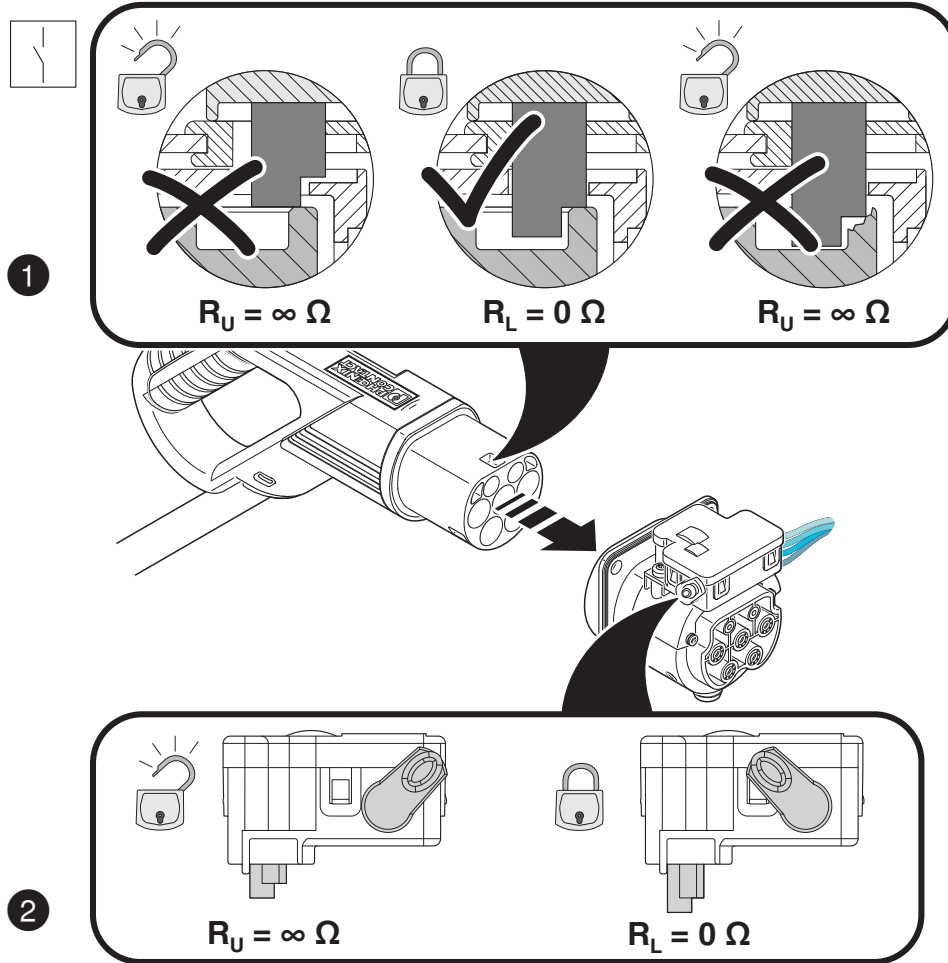
Schematic diagram



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
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#### 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