

EV-T2M3SL-E-LOCK12V-GEN2 - Locking



1300179

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CHARX connect modular, Type 2, GB/T, Locking, Accessories, Single-core wires connected at one end, length: 0.5 m, locking actuator: 12 V, 3-pos., with single-core wires, with holder, for locking CHARX connect modular infrastructure charging sockets when plug is inserted, IEC 61851-1

Product description

Locking actuator with 12 V power supply for infrastructure charging sockets

Your advantages

- Integrated interlock during charging
- Manual emergency release of the locking actuator
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Uniform, space-saving installation space

Commercial data

Item number	1300179
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBFYY
GTIN	4063151544485
Weight per piece (including packing)	159.5 g
Weight per piece (excluding packing)	30.7 g
Country of origin	PL

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Technical data

Product properties

Product type	Locking actuator
Product family	CHARX connect modular
Type	Accessories
Design	with single-core wires with holder
Compatibility	CHARX connect modular
Charging standard	Type 2 GB/T
Charging mode	Mode 2, 3, 4

Electrical properties

Locking actuator

Locking actuator	12 V, 3-pos. Top center position
Possible power supply range at the motor	9 V ... 15.5 V
Operating current	< 1.8 A
Typical motor current for locking	250 mA Average run current
Reverse current of the motor	max. 2.4 A (Stall current)
Max. dwell time with reverse current	4 s
Recommended triggering time	200 ms ... 10 s (t_{on} , typical)
Pause time after entry or exit path	8x (t_{on} , typical)
Service life insertion cycles	> 10000 load cycles
Lock recognition	available
Lock setting	LOCK (Lever in horizontal position) UNLOCK (Lever in vertical position)
Mechanical emergency release	available
Ambient temperature (operation)	-30 °C ... 50 °C

Material specifications

Color (Locking)	black (9005)
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Cable/line

Cable length	0.5 m
Cable type	Single-core wires connected at one end
Cable structure	3 x 0.5 mm ²
Single wire, material	PVC
Single wire, color	BU/RD BU/GN BU/YE BU/BN

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External cable diameter	1.60 mm $\pm$ 0.20 mm
Cable resistance	$\leq$ 37.1 Ω /m

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards

Standards/regulations	IEC 61851-1
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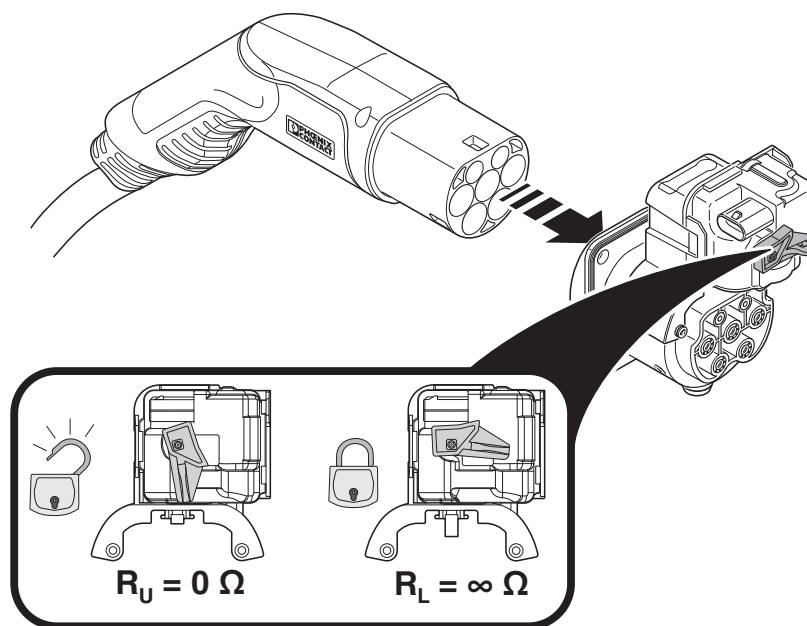
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Drawings

Functional drawing

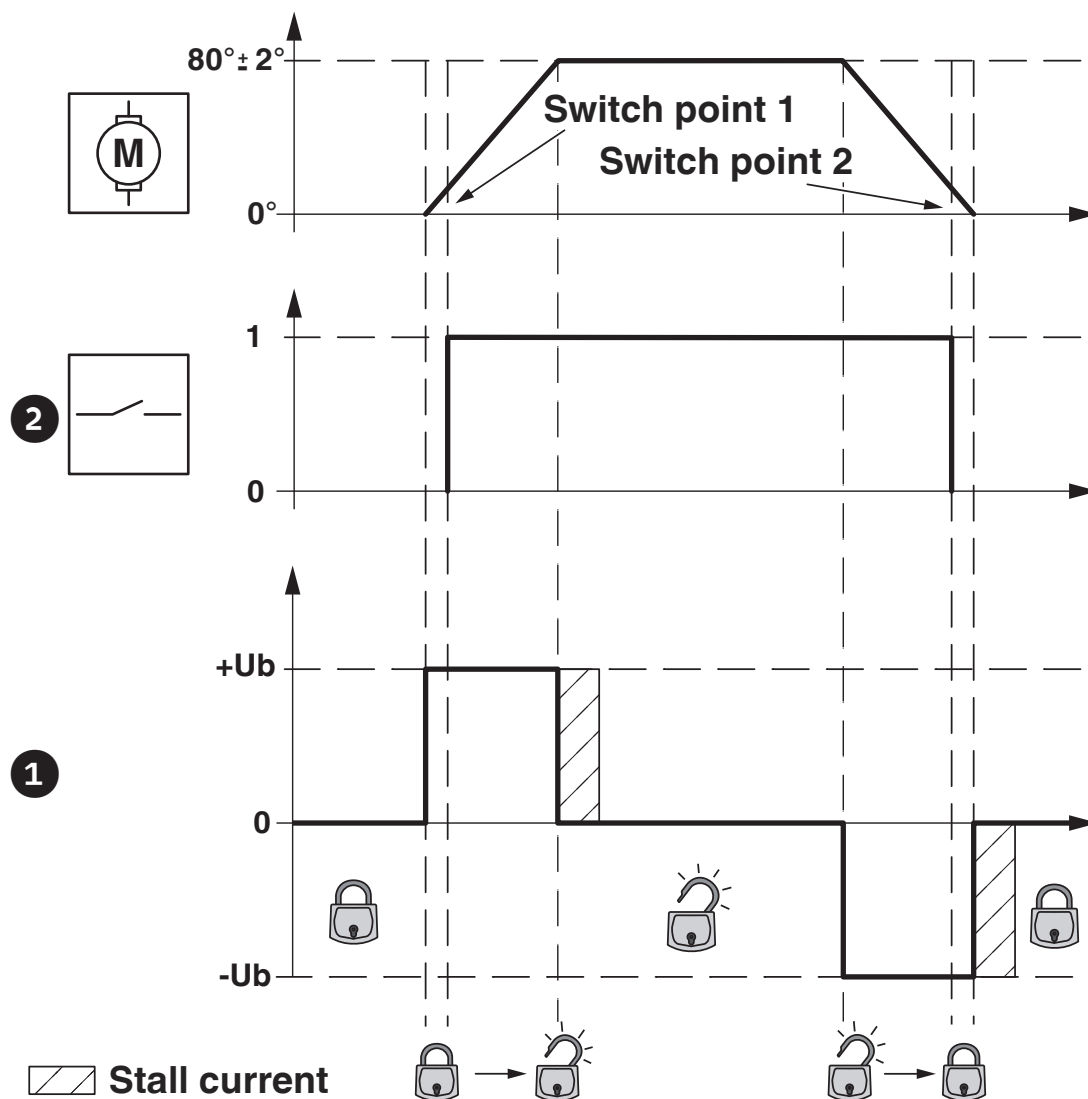


Position of the emergency unlocking lever on the locking actuator

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Diagram

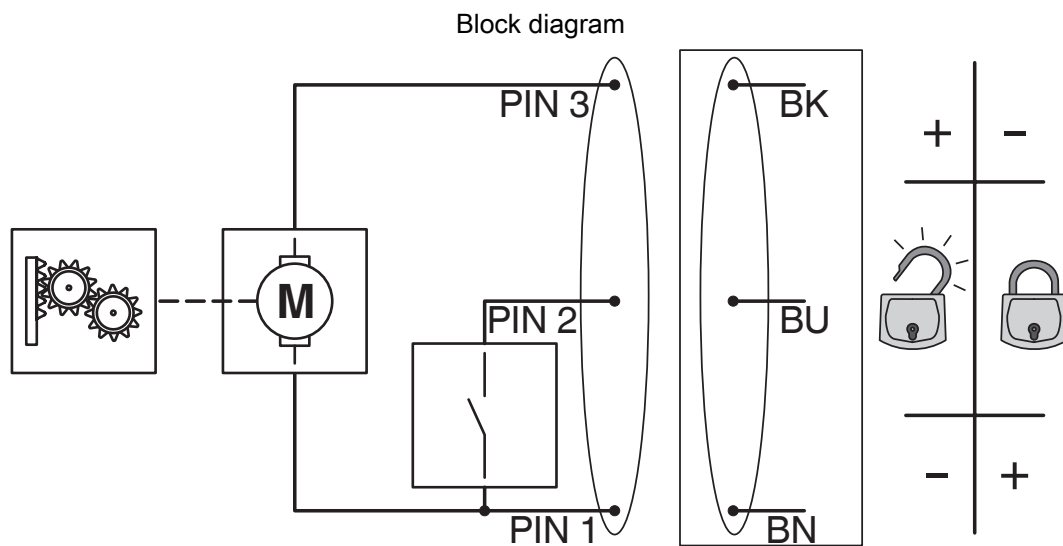


Locking states of the locking actuator

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Block diagram of the locking actuator

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Classifications

ECLASS

ECLASS-13.0	27144792
ECLASS-15.0	27144792

ETIM

ETIM 10.0	EC002884
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE
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EU REACH SVHC

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