

# CHARX T1HI-ELOCK12V - Locking

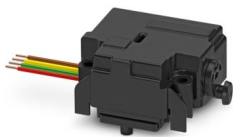
1331528

<https://www.phoenixcontact.com/us/products/1331528>



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CHARX connect universal, Type 1, Locking, Accessories, Single wires, length: 1 m, locking actuator: 12 V, 4-pos., for mounting on vehicle charging inlets, 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	1331528
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWCAFO
GTIN	4063151627355
Weight per piece (including packing)	195.5 g
Weight per piece (excluding packing)	135 g
Customs tariff number	85011099
Country of origin	DE

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## Technical data

### Product properties

Product type	Locking actuator
Product family	CHARX connect universal
Application	for mounting on vehicle charging inlets
Type	Accessories
Charging standard	Type 1
Charging mode	Mode 2, 3, 4

### Electrical properties

#### Locking actuator

Locking actuator	12 V, 4-pos.
	Position can be freely selected
Possible power supply range at the motor	9 V ... 16 V
Maximum voltage for locking detection	12 V
Typical motor current for locking	0.25 A
Reverse current of the motor	max. 1.5 A
Max. dwell time with reverse current	1 s
Recommended adaptation time	600 ms
Pause time after entry or exit path	3 s
Service life insertion cycles	> 10000 load cycles
Lock recognition	available
Mechanical emergency release	available
Ambient temperature (operation)	-40 °C ... 90 °C
Cable length	1.5 m
Cable structure	4 x 0.5 mm <sup>2</sup>
Bending radius	15 mm
External cable diameter	1.60 mm ±0.20 mm
Cable weight	7.00 kg/km
Cable resistance	≤ 37.1 Ω/m
Single wire, color	BU/RD, BU/GN, BU/YE, BU/BN

#### Cable/line

Cable length	1 m
Cable type	Single wires
Cable structure	4 x 0.5 mm <sup>2</sup>
Single wire, material	PVC
Single wire, color	BU/RD
	BU/GN
	BU/YE
	BU/BN
External cable diameter	1.60 mm ±0.20 mm

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Cable resistance	$\leq 37.1 \Omega/\text{m}$
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

## Standards and regulations

### Standards

Standards/regulations	IEC 61851-1
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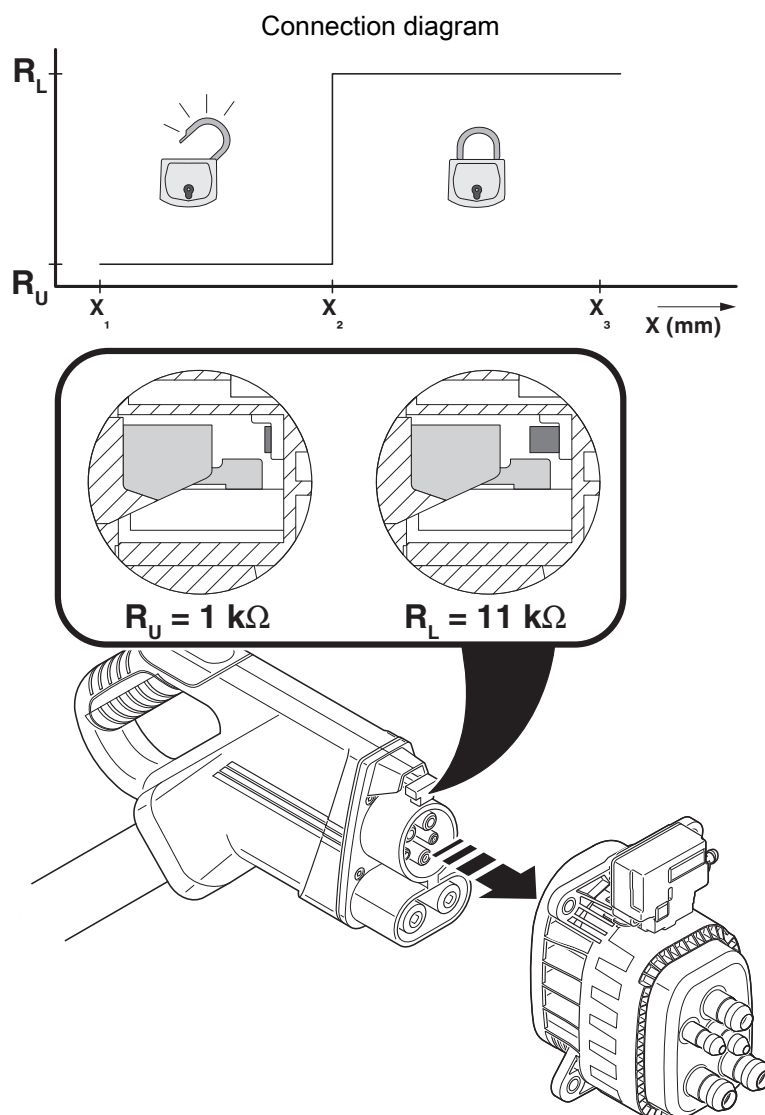
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## Drawings



Detection for Vehicle Connector

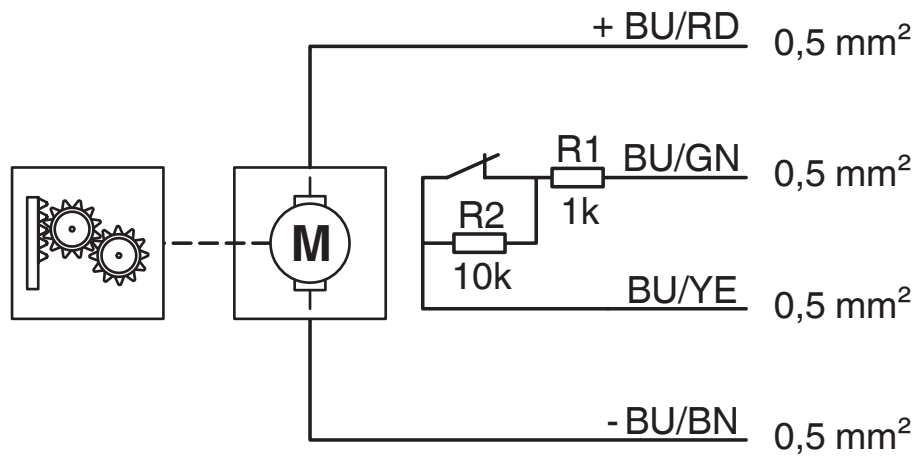
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### Schematic diagram

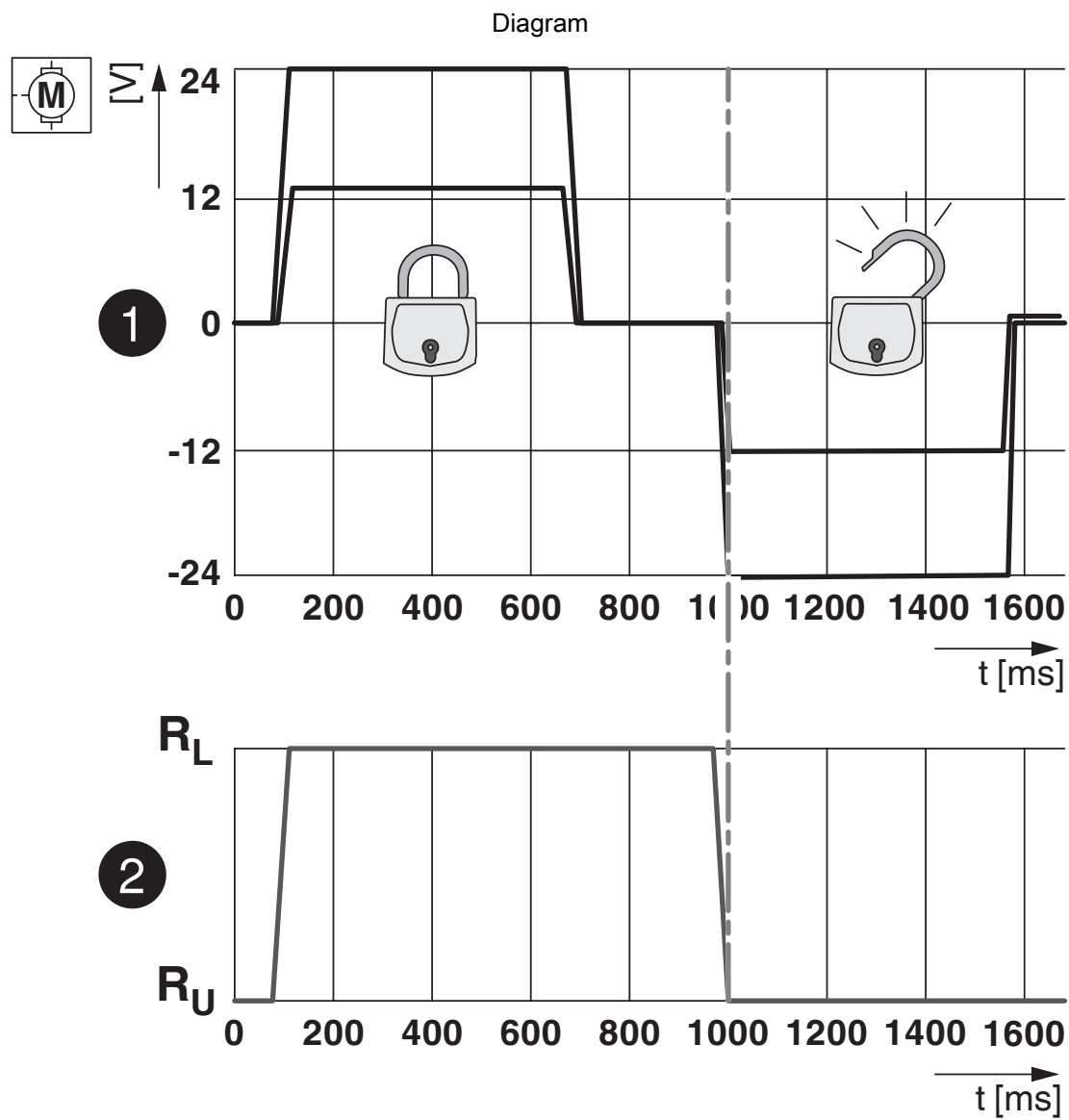


### Block diagram of the locking actuator

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Locking states of the locking actuator

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## Classifications

### ECLASS

ECLASS-13.0	27144792
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### ETIM

ETIM 9.0	EC002884
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### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

### EU RoHS

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

Environment friendly use period (EFUP)	EFUP-10
	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.)	No substance above 0.1 wt%
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