

## Technical data sheet

### E-STOP rope switch

Part no.: 63000504

ERS200-M4C1-M12-HLR

#### Contents

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- Electrical connection



For illustration purposes only



## Technical data

### Basic data

Series	ERS200
Type	E-Stop command device, EN ISO 13850, EN 60947-5-5

### Functions

Functions	<p>Clicks in on both sides with positive-opening contacts</p> <p>Position-independent E-STOP command input</p> <p>Reset function (reset button with indicator)</p> <p>Simple rope adjustment by means of switching point indicator</p>
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### Characteristic parameters

Mission time $T_M$	20 years, EN ISO 13849-1
$B10_d$	2,000,000 number of cycles

### Electrical data

Usage category at DC 13	Ue 24 V, Ie 2 A, EN 60947-5-1
Usage category at AC 15	Ue 24 V, Ie 2 A, EN 60947-5-1
Contact allocation	2NC + 1NO
Contact opening	Force-fit
Short circuit protected	500 V, 2 A, type gG, IEC 60269-1

#### Performance data

Rated insulation voltage	30 V AC, 36 V DC
Conventional thermal current, max.	2 A

### Connection

Number of connections	1 Piece(s)
Number of cable entries	1 Piece(s)

#### Connection 1

Function	Contact connection
Type of connection	Connector

### Mechanical data

Dimension (W x H x L)	40 mm x 49.5 mm x 138.5 mm
Housing material	Metal
Metal housing	ZAMAK
Electrical contact material	Silver alloy
Net weight	308 g
Housing color	Gray Red
Type of fastening	Through-hole mounting
Type of cable entry	M20 x 1.5
Installation position	On rope pull axis
Switch type	E-Stop command device, EN ISO 13850
Switching principle	Slow-action contact
Mechanical life time	1,000,000 actuation cycles, IEC 6047-5-1
Actuation frequency, max.	600 per hour, IEC 6047-5-1
External actuator	Rope
Actuator, rope length, max. (at 20 °C temperature difference)	24 m
Extraction force, unlocked actuator	83 N
Actuation force (pull-out with forced separation)	90 N
Actuation force (slacken)	63 N
Actuation directions	On longitudinal axis
Actuating path with forced separation	8 mm
Type of actuation	Rope
Type of unlocking	Indicator button (pull)
Head material	Plastic

### Environmental data

Ambient temperature, operation	-25 ... 80 °C
Degree of contamination	3, EN 60947-1

### Certifications

Degree of protection	IP 67
Certifications	c UL US IMQ

### Classification

Customs tariff number	85369095
ECLASS 5.1.4	27270690
ECLASS 8.0	27270607
ECLASS 9.0	27371201
ECLASS 10.0	27371201
ECLASS 11.0	27371201
ECLASS 12.0	27371201
ECLASS 13.0	27371201
ECLASS 14.0	27371201
ETIM 5.0	EC002033
ETIM 6.0	EC002033
ETIM 7.0	EC002033
ETIM 8.0	EC002033
ETIM 9.0	EC002033

## Electrical connection

### Connection 1

Function	Contact connection
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

Pin	Pin assignment
1	GND
2	n.c.
3	NC(1)
4	NC(1)
5	NC(2)
6	NC(2)
7	NO(1)
8	NO(1)