

Technical data sheet

E-Stop button

Part no.: 63000008

ESB200-8TR-M12p

Contents

- Technical data
- Electrical connection



Figure can vary



Technical data

Basic data

Series	ESB200
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Functions

Functions	E-STOP control device in accordance with EN 60947-5-5
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Characteristic parameters

SIL	Up to 3, IEC 61508
Performance Level (PL)	Up to and including e, EN ISO 13849-1
Mission time T_M	20 years, EN ISO 13849-1
Category	Up to incl. 4 (depending on wiring), EN ISO 13849
$B10_d$	600,000 number of cycles
Life expectancy contact	20,000,000 switching cycles

Electrical data

Protective circuit	Short circuit protected
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
Contact opening	Force-fit
Short circuit protected	500 V, 2 A, type gG/gL, 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)
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Connection 1

Function	Contact connection
Type of connection	Connector

Mechanical data

Dimension (W x H x L)	80 mm x 102.3 mm x 72 mm
Housing material	Plastic
Plastic housing	Glass fiber reinforced (PPS), self-extinguishing
Electrical contact material	Silver alloy
Net weight	248 g
Housing color	Black Yellow, RAL 1023
Type of fastening	Through-hole mounting Wall mounting
Type of cable entry	M12
Installation position	Arbitrary
Switch type	E-Stop command device, ISO 14119
Switching principle	Slow-action contact
Mechanical life time	300,000 actuation cycles, IEC 60947-5-1 switching cycles
Actuation frequency, max.	3,600 per hour, IEC 60947-5-1
Type of actuation	Red button
Button actuation force	25 N
Sensor material	Plastic

Environmental data

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

Certifications

Degree of protection	IP 67 IP 69K
Certifications	c UL US

Classification

Customs tariff number	85369095
eCl@ss 5.1.4	27270690
eCl@ss 8.0	27371244
eCl@ss 9.0	27371244
eCl@ss 10.0	27371244
eCl@ss 11.0	27371244
ETIM 5.0	EC002034
ETIM 6.0	EC002034
ETIM 7.0	EC002034

Electrical connection

Connection 1

Function	Contact connection
Type of connection	Connector
Thread size	M12
Type	Male
Material	Plastic
No. of pins	4 -pin
Encoding	A-coded

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