

Technical data sheet

E-Stop button

Part no.: 630000004

ESB200-4TR-M12p

Contents

- Technical data
- Electrical connection



For illustration purposes only



Technical data

Basic data

Series	ESB200
Type	E-Stop command device, EN ISO 13850, EN 60947-5-5

Functions

Functions	Position-dependent E-Stop command input
	Protected screw fitting
	Reset function (via rotary knob or key)

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 + 1NO
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)
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, EN ISO 13850
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	E-Stop button, red
Type of unlocking	Rotary release
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
ECLASS 5.1.4	27270690
ECLASS 8.0	27371244
ECLASS 9.0	27371244
ECLASS 10.0	27371244
ECLASS 11.0	27371244
ECLASS 12.0	27371244
ECLASS 13.0	27371244
ECLASS 14.0	27371244
ETIM 5.0	EC002034
ETIM 6.0	EC002034
ETIM 7.0	EC002034
ETIM 8.0	EC002034
ETIM 9.0	EC002034

Electrical connection

Connection 1

Function	Contact connection
Type of connection	Connector
Thread size	M12
Type	Male
Material	Plastic
No. of pins	8 -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)