

Technical data sheet

E-Stop button

Part no.: 63000008

ESB200-8TR-M12p

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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 |
| 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 |
| 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 |
| Approvals | 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 |
| ECLASS 15.0 | 27371244 |
| ECLASS 16.0 | 27371244 |
| ETIM 5.0 | EC002034 |
| ETIM 6.0 | EC002034 |
| ETIM 7.0 | EC002034 |
| ETIM 8.0 | EC002034 |
| ETIM 9.0 | EC002034 |
| ETIM 10.0 | EC002034 |
| UNSPSC 26.08 | 39121545 |

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) |