

# Emergency stop smart box, not illuminated

73-00002.1

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## 73-00002.1 Emergency stop smart box, not illuminated

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### FRONT

**Front dimension:** Ø 32 mm

**Front form:** Round

### MOUNTING

**Mounting type:** for snapping in place

### OPERATING-/INDICATION PART

**Lens colour:** Red-white

**Lens material:** Plastic, according to UL 94 V0

**Lens illumination:** Non illuminated

**Lens shape:** Mushroom-head

**Lens optics:** opaque

**Lens:** round

**Switching position ring:** Black

### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

Switch rating AC with silver contact (gold plated) Service category AC-15 as per EN IEC 60947-5-1		
Voltage	120 VAC	240 VAC
Current	3 A	1,5 A
Switch rating AC with silver contact (gold plated) Service category DC-13 as per EN IEC 60947-5-1		
NO contacts (48 VA)	NC contacts (60 VA)	NO
12 VDC/2.0 A	12 VDC/2.5 A	12 VDC/2.5 A
24 VDC/2.0 A	24 VDC/2.5 A	25 VDC/2.5 A
48 VDC/1.0 A	48 VDC/1.25 A	
60 VDC/0.8 A	60 VDC/1.0 A	

<b>Contacts:</b>	2 NC						
<b>Rated Operational Voltage Ue:</b>	250 VAC/DC according to EN IEC 60947-1						
<b>Rated impulse withstand voltage Uimp:</b>	4 kV, according to EN IEC 60947-1						
<b>Rated insulation voltage Ui:</b>	250 V according to EN / IEC 60947-1						
<b>Rated short-circuit current caused:</b>	1 000 A, type of short-circuit device 6 A gG (EN 60947-5-1)						
<b>Recommended minimum operational data:</b>	<table> <tr> <td>Silver contacts (gold plated)</td> <td></td> </tr> <tr> <td>Voltage</td> <td>1 VAC/DC</td> </tr> <tr> <td>Current</td> <td>1 mA</td> </tr> </table>	Silver contacts (gold plated)		Voltage	1 VAC/DC	Current	1 mA
Silver contacts (gold plated)							
Voltage	1 VAC/DC						
Current	1 mA						
<b>Switching rating:</b>	250 V						
<b>Electrical lifetime:</b>	50 000 cycles of operation						
<b>Electric strength:</b>	500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2						
<b>Overvoltage category:</b>	III, according to EN / IEC 61058-1						
<b>Protection class:</b>	II, according to EN / IEC 60947-5						
<b>Standards:</b>	According to EN 60947-5-1, EN 60947-5-5, DIN EN ISO 13850, EN IEC 60204						
<b>Thermal current Ith:</b>	5 A						

## MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Connector M12
<b>Contact material:</b>	Gold
<b>Switching action:</b>	Maintained
<b>Switching system:</b>	Slow-make switching element
<b>Release type:</b>	Twist to unlock
<b>Mechanical lifetime:</b>	250 000 cycles of operation
<b>Operating force:</b>	20 N ±4 N
<b>Operating Travel:</b>	ca. 4 mm
<b>Weight:</b>	0.141 kg

## AMBIENT CONDITION

<b>IP Protection:</b>	IP67
<b>Operating temperature:</b>	- 25 °C ... + 60 °C
<b>Storage temperature:</b>	- 25 °C ... + 80 °C
<b>Shock resistance:</b>	Max. 150 m / s <sup>2</sup> , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

**Vibration resistance:** Max. 50 m / s<sup>2</sup> from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6)

## CERTIFICATE

**Approbations:** CCC, UL  
**REACH:** REACH compliant  
**RoHS:** RoHS compliant

## OTHER

**Short Description:** Emergency stop smart box, not illuminated, Maintained, 250 V, 2 NC, Connector M12, Round, Red-white

**Dimension:** 110.9 mm x 45 mm x 45.7 mm

**Material:** Plastic, according to UL 94 V0

**Housing colour:** Yellow

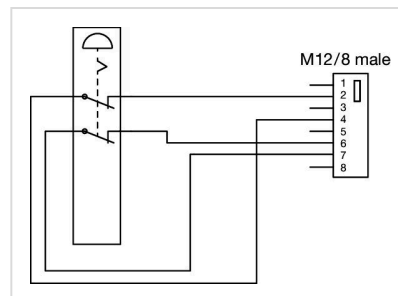
**Housing material:** Plastic, according to UL 94 V0

**Hints:** Mount the mounting adaptor on the mounting surface.  
Hang the Smart-Box on one side (note the orientation of the mounting adaptor on the housing).  
Press the Smart-Box onto the adaptor on the opposite side until the box clicks into place.  
Alternatively, the module can be placed on a standard top-hat rail or mounted on a surface using screws from the rear (see dimension drawings).

**Description component:** Upper part of housing: PBT / UL-V0 / colour similar to RAL1004; Lower part of housing: PBT / UL-V0 / colour similar to RAL9011; Spring element (for restraint): POM (nature); Seal: MVQ silicone foam bright; Mounting adaptor: Stainless steel 1.4301 / surface vibratory finish; Housing screws: Stainless steel A2; M12 connector housing: Die cast zinc, Emergency stop switch from the 84 Series / non-illuminated / Part No. 84-5240.0020

**Colour RAL:** 1004 RAL

## Wiring diagrams:



## Dimension drawings:

