

Emergency stop smart box, not illuminated

73-00002.1

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Your product:



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	

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

MECHANICAL CHARACTERISTICS

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

AMBIENT CONDITION

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

Vibration resistance: Max. 50 m / s² 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

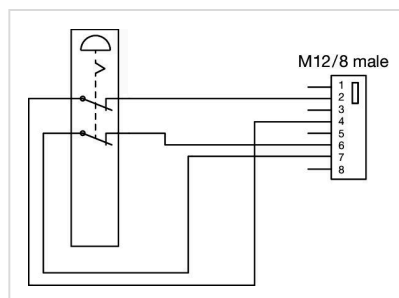
Housing material: Plastic, according to UL 94 V0

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:

