

Emergency stop smart box, illuminated

73-00002.2



<https://www.eao.com/component/73-00002.2/en/e...>

Your product:



73-00002.2

Emergency stop smart box, illuminated

FRONT

Front dimension: Ø 32 mm

Front form: Round

MOUNTING

Mounting type: for snapping in place

OPERATING-/INDICATION PART

Lens colour: Red

Lens material: Plastic, according to UL 94 V0

Lens illumination: Illuminated

Lens shape: Mushroom-head

Lens optics: opaque

Lens: round

Switching position ring: Black

Illumination colour: Red

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	NC contacts	NO/NC contacts
(48 VA)	(60 VA)	
12 VDC/2.0 A	12 VDC/2.5 A	125 VDC/0.22 A
24 VDC/2.0 A	24 VDC/2.5 A	250 VDC/0.11 A
48 VDC/1.0 A	48 VDC/1.25 A	
60 VDC/0.8 A	60 VDC/1.0 A	

Contacts:	2 NC	
Operating voltage:	5 - 30 V DC (LED)	
Operation current:	9,7 - 12,4 mA	
Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 60947-1	
Rated impulse withstand voltage Uimp:	4 kV, according to EN IEC 60947-1	
Rated insulation voltage Ui:	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 Ith:	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 / s², 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, illuminated, Maintained, 250 V, 5 - 30 V DC (LED), 2 NC, Connector M12, Round, Red, Red

Dimension: 110.9 mm x 45 mm x 45.7 mm

Material: Plastic, according to UL 94 V0

Housing colour: Yellow

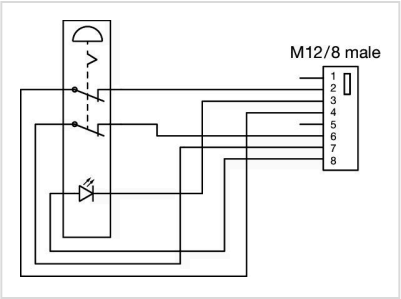
Housing material: Plastic, according to UL 94 V0

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: Emergency stop switch from the 84 Series / non-illuminated / Part No. 84-5241.2B20, 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

Colour RAL: 1004 RAL

Wiring diagrams:



Dimension drawings:

