

Emergency stop smart box, illuminated

Distribution by DigiKey



73-00002.2







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Front dimension: \emptyset 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

120 VAC 240 VAC Voltage 1,5 A Current 3 A

Switch rating AC with silver contact (gold plated) Service category DC-13 as per EN IEC 60947-5-1

NO/NC contacts NO contacts 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)

9,7 - 12,4 mA **Operation current:**

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

Silver contacts (gold plated) operational data:

Voltage 1 VAC/DC Current 1 mA

250 V Switching rating:

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

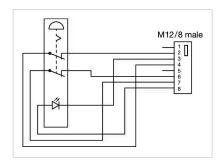
Mechanical lifetime: 250 000 cycles of operation

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 - 25 °C ... + 80 °C Storage temperature: Shock resistance: Max. 150 m / s², pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-Vibration resistance: Max. 50 m / s² from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6) **CERTIFICATE** CCC, UL Approbations: **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:

