

E-Stop Smart Box (part no. 73-00002.2)

Technical specifications

Description

Emergency stop Smart Box wired to 8 pin M12 plug with red illuminated 2NC emergency stop switch. The housing and switch are sealed to IP65 when assembled and connected to a suitable M12 cable

Shipped:

- with mounting adapter
- with red illuminated emergency stop switch internally wired to 8-pin M12 plug



Equipment

Connection:
Control element:

M12 8-pin plug, male, A-coding Series 84 emergency stop switch / fully illuminated / part no. 84-5141.2B20

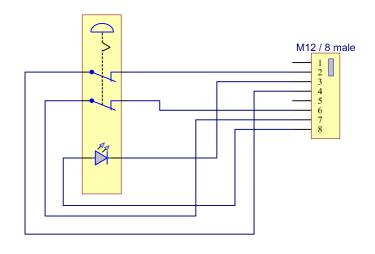
Connector pin assignment

Pin 1: (Unused)
Pin 2: Contact 'a'

Pin 3: LED negative terminal

Pin 4: Contact 'a' Pin 5: (Unused) Pin 6: Contact 'b' Pin 7: Contact 'b'

Pin 8: LED positive terminal



Electrical characteristics

Button operating voltage: Maximum 30VDC Switching rate: Maximum 2A / contact

LED operating voltage 5VDC ... 30VDC

For further technical data regarding the emergency stop switch, please refer to the EAO data sheet 84-5141.2B20.

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EAO Systems AG CH-4600 Olten Telephone +41 62 286 91 11 Fax +41 62 296 21 62 www.eao.com



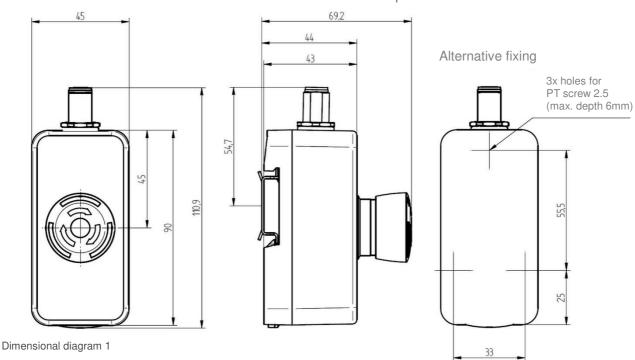
Mechanical characteristics

External dimensions:

See dimensional diagram 1 (Female M12 connector not included)

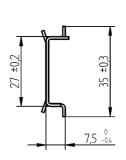
Note:

- The dimensional diagram shows the housing with the emergency stop switch and M12 plug installed
- All side walls exhibit a pull of around 1°.



Mounting

- Mount mounting adapter onto mounting surface
- Mount emergency stop Smart Box on one side (note direction of mounting adapter on the housing)
- Push the Smart Box onto the adaptor on the other side until it audibly clicks into place
- Alternatively, the module can be mounted on a standard top hat rail, or it can be mounted on a base using screws on the rear (see dimensional diagrams).



Dismantling

- Pull out spring element using screwdriver and lift Smart Box
- Remove Smart Box from the other side





Operating temperatures

Temperature range: Rated temperature: 25°C

Operating temperature: -25 ... 60°C Storage temperature: -25 ... 80°C

Materials

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

Standards

Degree of protection: IP65 (with mounted female connector and emergency stop switch)

Insulation: EN 60664-1:2008 / degree of contamination I / insulation material

IIIa/b

EMC: Defined based on components of EAO Series 84

Vibrations: EN 60068-2-6:2008-10 / 10 – 150Hz / 2g Shock: EN 60068-2-27:2010-02 / 15g / 11ms

Approvals

(emergency stop switch only)

EN 60947-5-1 / EN 60947-5-5 / EN 13850 / EN 60204

Approvals

(emergency stop switch only) UL / CB IEC 60947

Conformity CE

EAO reference number: Part no. 73-00002.2

EAO reserves the right to change specifications without further notice.

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