

Smart Box (part no. 73-00001.1)

Technical specifications

Description

Housing with two Series 84 white illuminated pushbuttons, directly wired to a 5 pin M12 plug. The housing and switches are sealed to IP67 **Pushbutton lenses to be ordered separately**

Shipped

- · Without lenses
- with mounting adapter
- with marking plate



Equipment

Connection: M12 5-pin plug, male, A-coding

Control element position [S1]: S84 button without lens / white LED

Base product: Part no. 84-1101.0
Control element position [S2]:
S84 button without lens / white LED
Base product: Part no. 84-1101.0

Connector pin assignment

Pin 1: LED1

Positive terminal

Pin 2: LED2

Positive terminal

Pin 3: S1 button terminal Pin 4: S2 button terminal

Pin 5: Shared terminal

Button S1 / S2 / LED1 / LED2

Electrical characteristics

Switch operating voltage: Maximum 30VDC

Switching rate: 10µA ... 100mA / Maximum 2W

LED operating voltage: 24VDC

White LED operating current: 10mA ±10% at 24VDC

Please refer to EAO Series 84 for more technical data on the mounted switches / LEDs.

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 B / 2590 Series - released
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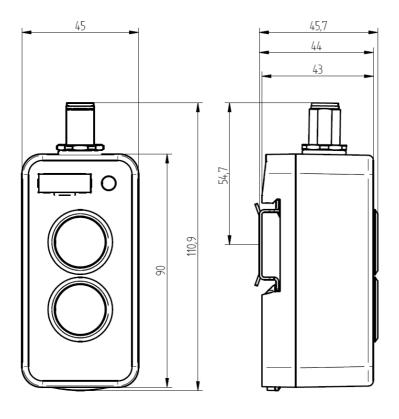
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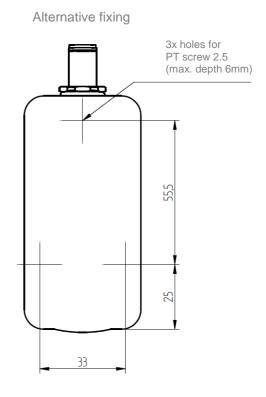


Mechanical characteristics

Dimensions:

See dimensional diagrams (Female M12 connector not included)



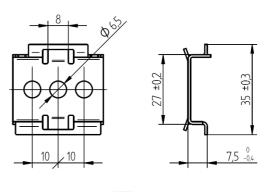


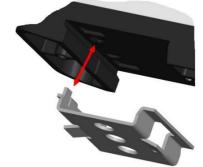
Mounting

- · Mount mounting adapter onto mounting surface
- Mount Smart Box on one side (note direction of mounting adapter on the housing)
- Push the housing down onto the adaptor on the other side until the Smart Box 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: -40 ... 85°C

Materials

Upper part of housing: PBT / UL-V0 / colour similar to RAL9010 Lower part of housing: PBT / UL-V0 / colour similar to RAL9011

Spring element (for restraint): POM (nature)

Seal: MVQ silicone foam bright

Blind plug: PC / glass clear

Mounting adaptor: Stainless steel 1.4301 / surface vibratory finish

Housing screws: Stainless steel A2

Marking plate: Black PVC / surface aluminium-coloured, adhesive

M12 connector housing: Die cast zinc

Standards

Degree of protection: IP67 (with mounted female connector / lenses)

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

Conformity CE

EAO reference number: Part no. 73-00001.1

EAO reserves the right to change specifications without further notice.