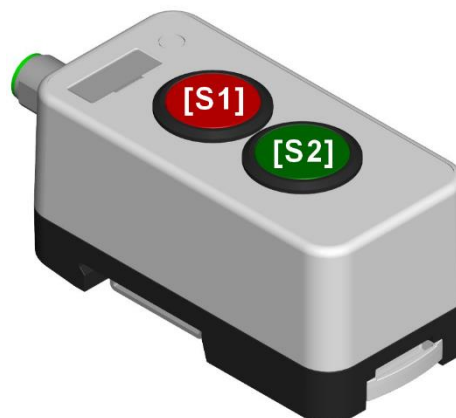# **Smart Box** (part no. 73-00001.2)
Technical specifications

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 and are fitted with one red and one green pushbutton lens.

Shipped:

- with lenses (red and green)
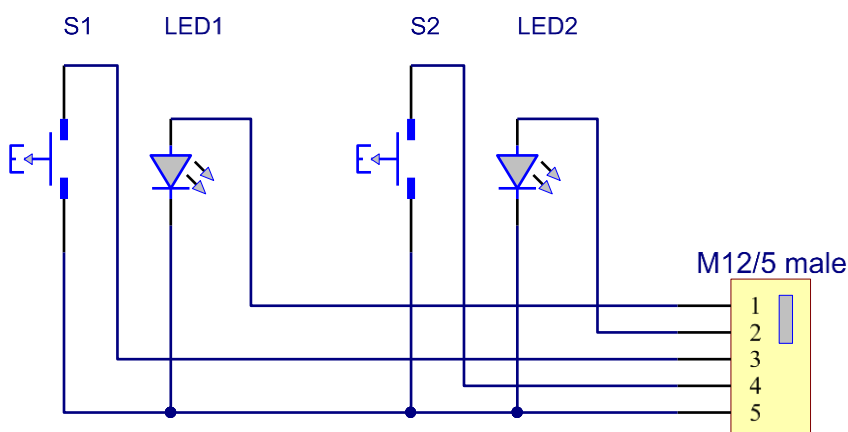- with mounting adapter
- with marking plate

Equipment

Connection:	M12 5-pin plug, male, A-coding
Control element position [S1]:	S84 button with red lens / white LED Base product: Part no. 84-1101.0 / lens part no. 84-7111.200
Control element position [S2]:	S84 button with lens / white LED Base product: Part no. 84-1101.0 / lens part no. 84-7111.500

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 /
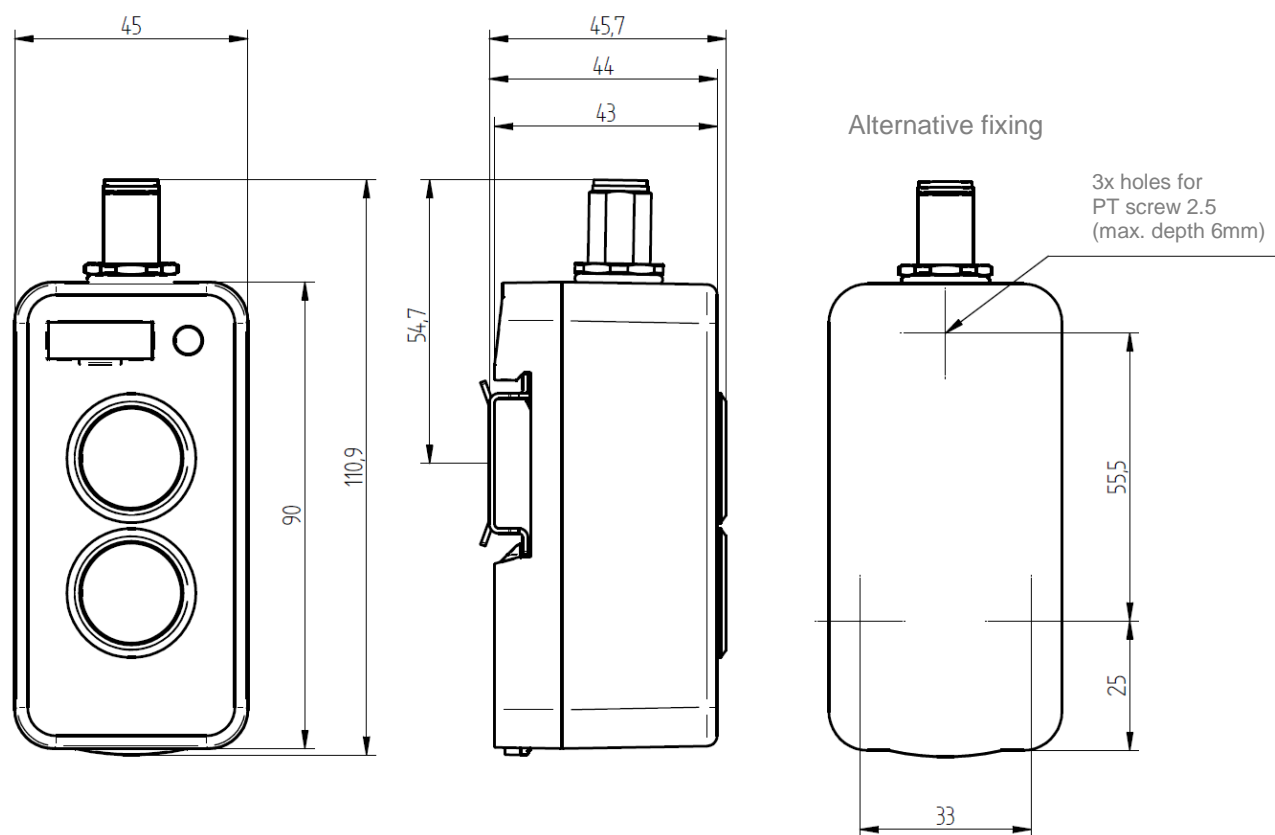   LED1 / LED2

Electrical characteristics

Button 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.
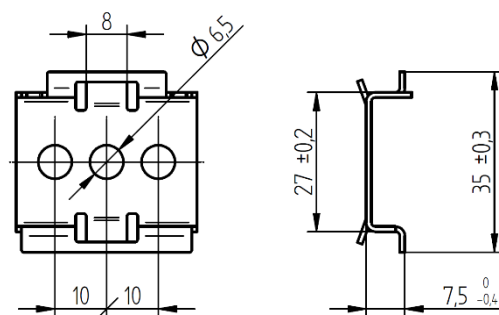
Mechanical characteristics

Dimensions: See dimensional diagram
(Female M12 connector not included)

Alternative fixing

3x holes for
PT screw 2.5
(max. depth 6mm)

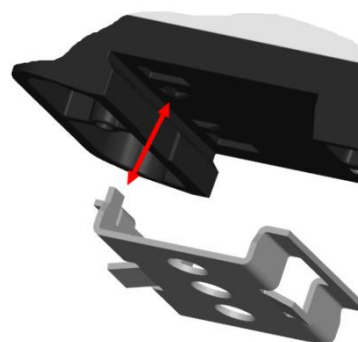45   45,7
44
43

54,7

110,9

90

55,5

25

33

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).

8   Ø 6,5

27 ±0,2   35 ±0,3

10   10   7,5 $_{-0,4}^{0}$

Dismantling

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

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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
Housing screws:	Stainless steel
Marking plate:	Plastic / black / surface aluminium-coloured, adhesive
M12 connector housing:	Zinc die cast

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. 73-00001.2**

EAO reserves the right to change specifications without further notice.

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