

Lumistar Push-button for Ex-areas, external CE

3755.672



II 2 G Ex db eb ia ib mb IIA, MB, IIC T6, T5 Gb

II 2 D Ex tb NIC T80 °C, T95 °C Db

Switch to be set externally, preferably for Lumistar luminaires and other electrical equipment in Ex-areas

• **This data sheet is both installation and operating instruction**

• **The Lumistar push-button enables:**

- the time-independent control of consumers, e.g. lighting of process sequences
- the control of time modules in lights or other consumers

• **Settings:**

For various applications, the push-button can be set double-sided push-button/push-button or single-sided push-button and single-sided switch (switch function continuous light).

• **Assembly:**

Depending on the version, the push-button is mounted at a maximum cable length of 5 metres from the luminaire when operated with an internal timer or dimmer module.

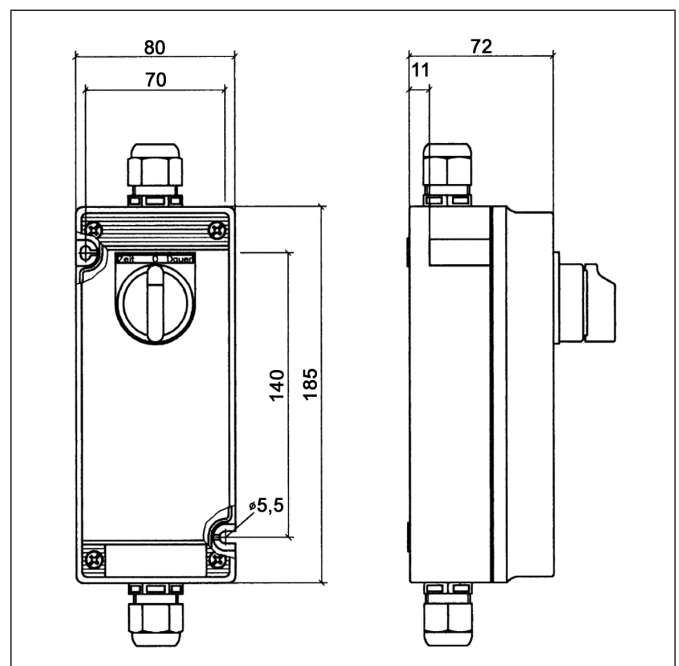
• **Power supply:**

The voltage supply for the consumer (e.g. luminaire) is realized by the existing terminals in the button housing.



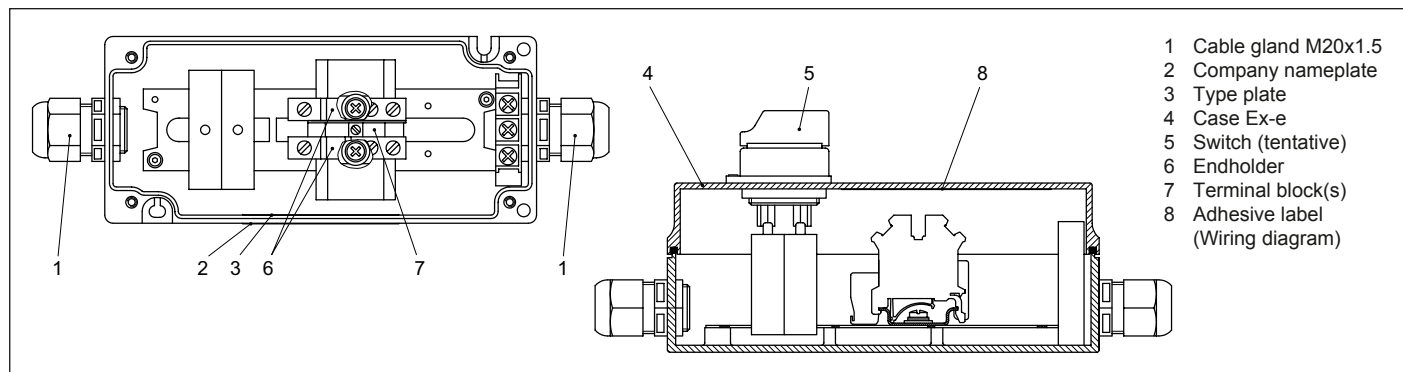
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Pos.	Nominal voltage	Version	Part number	For use with
1	24 V, 110-240 V	push-button/ push-button	LS#1702.645.00	internal timing module
2	24 V, 110-240 V	push-button/ switch	LS#1702.649.00	without time module, button continuous operation

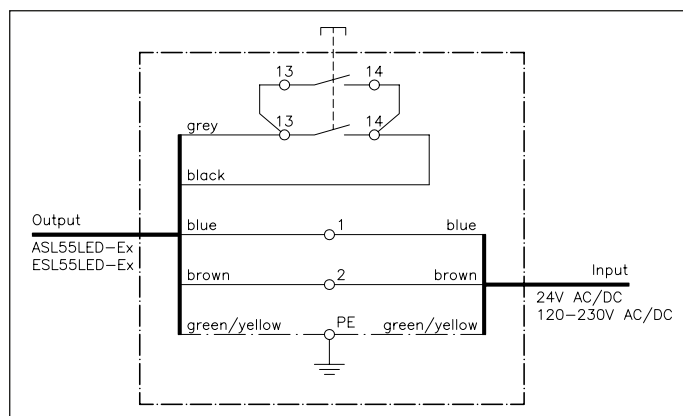


Dimensions for Lumistar push-button

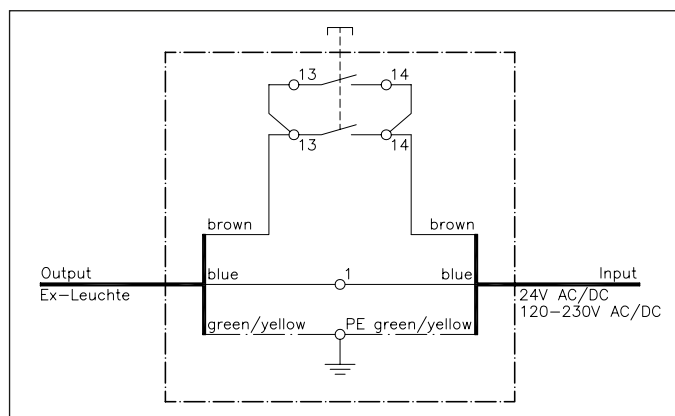
• Technical data for Lumistar push-buttons for Ex areas:



EU Type Examination Certificate	II 2 G Ex db eb ia ib mb IIA, MB, IIC T6, T5 Gb II 2 D Ex tb NIC T80 °C, T95 °C Db
Degree of protection	IP66 to EN 60529/DIN VDE 0470 part 1
Operating voltages AC/DC	alternative 230-240 V; 115-120 V; 24 V
Ambient temperature	$-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
Connections	max. 2.5 mm ² , fine wire
Case	polyester resin (GF)



for internal time module



for push-button/continuous light operation

Installation Instructions

• Important notes:

- The button may only be installed in the Ex-area by personnel expressly trained and authorised for this purpose be connected and maintained.
- The operating permit expires in case of improper use of the device.

• Electrical connection:

- The button is connected to the supply line to the consumer. Use cables with a diameter of 6-13 mm for the cable glands M20x1.5.
- The valid installation regulations DIN EN 60079-14 must be observed.

- For connection the housing cover must be unscrewed. A connection diagram is located in the housing cover.
- After the electrical connection the housing cover under consideration of the proper sealing to unscrew again.

• Protection:

- A back-up fuse is provided externally in accordance with the connecting cable to be provided.