

Control and signalling devices

LED element for installation on mounting rail

Ex e

8010C6-11-1 Art. No. 348749

STAHL



- Efficient, beneficial LED technology: High luminance, low heat build-up, extremely high service life, maintenance-free
- Easily visible light signals thanks to diffuser lenses in red, yellow, green, blue and white
- Usable at temperatures as low as -60 °C

MY R. STAHL 8010D



The series 8010 lighting elements from R. STAHL use a white LED with a diffuser lens, the light from which can be also be coloured red, yellow, green and blue using calottes. This means that important signals from a switchgear are easily visible, even in poor lighting conditions. The lighting elements are robust and can be used at temperatures as low as -60 °C.

Technical Data

Explosion Protection

Area of application	European Union (ATEX) CE Code IECEX NEC®
Application range (zones)	1, 2
IECEX gas certificate	IECEX PTB 17.0022U
IECEX gas explosion protection	Ex db eb IIC Gb
ATEX gas certificate	PTB 17 ATEX 1005 U
ATEX gas explosion protection	II 2 G Ex db eb IIC Gb
UL gas certificate	E182378V1S9
Marking cULus	Class I, Div. 2, Groups A,B,C,D; Class I, Zone 1, AEx/Ex db eb IIC
Certificates	ATEX (PTB), Brazil (ULB), Canada (UL), IECEX (PTB), India (PESO), Korea (KTL), USA (UL)
Notes	Product label may vary. Series devices are labelled with ATEX, IECEX, NEC® and CE Code.

Electrical Data

AC rated operational voltage	12 ... 240 V
Rated operational voltage DC	12 ... 240 V
Voltage tolerance	-10 to +10%
Frequency	0 ... 60 Hz
Rated operational current	0.012 A
Max. rated operational power	1 W
Electrical service life	10 ⁵ lighting hours

Lighting Data

Lamp	White LED
------	-----------

Ambient Conditions

Ambient temperature	-60 °C ... +75 °C
---------------------	-------------------

Control and signalling devices

LED element for installation on mounting rail

Ex e

8010C6-11-1 Art. No. 348749



Ambient Conditions

Ambient temperature	-76 °F ... +167 °F
Ambient temperature NEC®	-60 °C ... +75 °C (T6) -60 °C ... +90 °C (T5)
Ambient temperature NEC®	-76 °F ... +167 °F (T6) -76 °F ... +194 °F (T5)
Operating temperature	-60 °C ... +85 °C
Operating temperature	-76 °F ... +185 °F

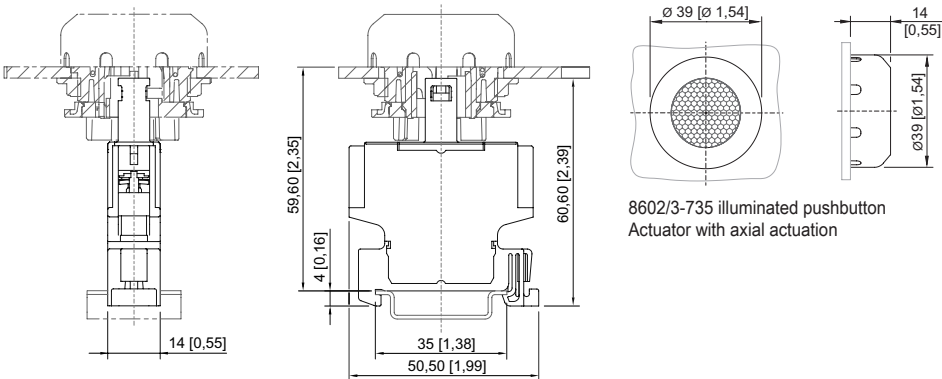
Mechanical Data

Degree of protection (IP) (IEC 60529)	IP20
Enclosure material	Polyamide
Silicone-free	Yes
Solid connection cross section	0.32 – 2.5 mm²
Connection cross-section AWG single stranded	22 AWG ... 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm²
Connection cross-section, finely stranded with core end sleeve	0.32 – 2.5 mm²
Finely stranded connection cross-section AWG	22 AWG ... 14 AWG
Connection cross-section, finely stranded with core end sleeve AWG	22 AWG - 14 AWG
Packaging unit	1
Weight	90 g
Weight	0 lb

Mounting / Installation

Tightening torque	1.2 N · m
Tightening torque lbf in	10.62 lbf in
Connection	Screw terminal

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Lighting element LED
for installation on mounting rail

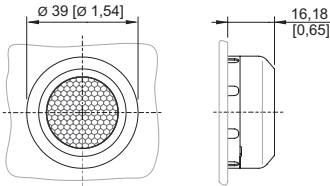
8602/3-735 illuminated pushbutton
Actuator with axial actuation

Control and signalling devices

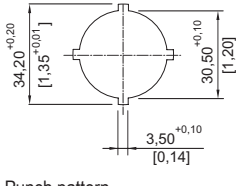
LED element for installation on mounting rail

Ex e

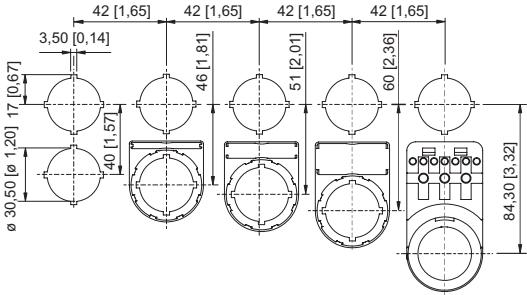
8010C6-11-1 Art. No. 348749



8602/3-054 indicator lamp bezel
Actuator without actuation



Punch pattern



Cut-out with/without additional designation plate

Accessories

Indicator lamp bezel		Art. No.
BG054		
	Diameter 39 mm All colours Silicone-free: Yes	223122
	Diameter 39 mm All colours Silicone-free: No	223123
Illuminated pushbutton (spring return)		Art. No.
BG735		
	Ø 39 mm Black Front panel mounting All colours Silicone-free: Yes	244654
	Ø 39 mm Black Front panel mounting All colours Silicone-free: No	244655

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.