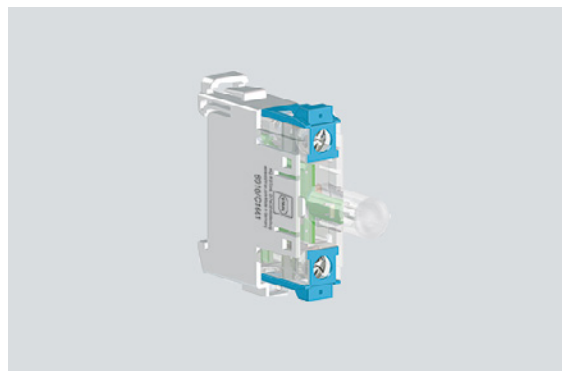




- Energy-saving and advantageous LED technology: High luminance, low heat build-up, extremely long service life, maintenance-free
- Easily visible light signals due to light distribution optics in red, yellow, green, blue and white
- Usable down to -60 °C

WebCode **8010A**

R. STAHL Series 8010 indicator lamps use a white LED with light distribution optics, the light on which can be coloured red, yellow, green or blue using calottes. This means that important switching device signals can be easily identified even under poor lighting conditions. The indicator lamps are robust and can be used down to -60 °C.

Technical Data

Explosion Protection

Application range (zones)	1 2
IECEX gas certificate	IECEX PTB 06.0016U
IECEX gas explosion protection	Ex db ia ib IIC Gb
IECEX firedamp certificate	IECEX PTB 06.0016U
IECEX firedamp protection	Ex db ia/ib I Mb
ATEX gas certificate	PTB 01 ATEX 1160 U
ATEX gas explosion protection	Ex II 2 G Ex db ia ib IIC Gb
ATEX firedamp certificate	PTB 01 ATEX 1160 U
ATEX firedamp protection	Ex I M2 Ex db ia/ib I Mb
ATEX firedamp protection 2	Ex I M2 Ex I Mb
UL gas certificate	E81680V1S8
Marking cULus	Class I, Zone 0, AEx/Ex ia IIC
Certificates	ATEX (PTB), Brazil (ULB), Canada / USA (UL), China (CQST), IECEX (PTB)

Safety Data

Max. capacitance C_i	Negligible
Max. inductance L_i	Negligible
Max. voltage U_i	30 V
Max. current I_i	150 mA
Max. power P_i	1 W

Electrical Data

Rated operational voltage AC	10.8 – 30 V
Rated operational voltage DC	10.8 – 30 V
AC UL rated operational voltage	30 V
Voltage tolerance	-10 to +10%
Frequency	0 to 60 Hz
Rated operational current	max. 150 mA

Electrical Data

Max. rated operational power	1 W
Electrical service life	10 ⁵ lighting hours

Lighting Data

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

Ambient Conditions

Ambient temperature	-60 °C ... +60 °C
Ambient temperature	-76 °F ... +140 °F

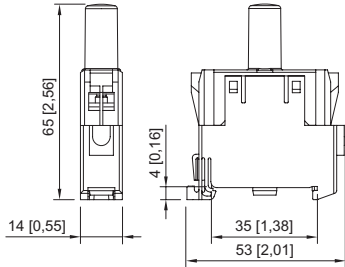
Mechanical Data

IP degree of protection (IEC 60529)	IP20
Enclosure material	Polyamide
Silicone-free	Yes
Solid connection cross section	0.75 – 2.5 mm ²
Finely stranded connection cross section	0.75 – 2.5 mm ²
Connection cross-section, finely stranded with core end sleeve	0.75 – 2.5 mm ²
Packaging unit	1
Weight	0.035 kg
Weight	0.077 lb

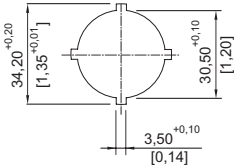
Mounting / Installation

Tightening torque	1.2 Nm
Tightening torque lbf in	10.62 lbf in
Connection	Screw terminal
Max. USA solid connection terminals	14 AWG

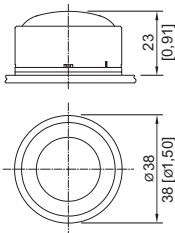
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



LED indicating lamp

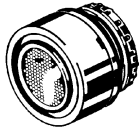


Cut-out details



Calotte

Accessories

Calotte		Art. No.
	blue	155384
	green	155382
	red	155380

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.