



- Advantageous LED technology: Extremely long service life, high luminance, low heat build-up
- For installation in enclosure walls, device covers, panels or control cabinets
- Version with spring clamp terminal with connection enclosure or version with prefabricated connection line and connection enclosure available

WebCode **8013B**

R. STAHL Series 8013 LED indicating lamps show command statuses via a light signal, the colour of which you can determine using the colour filter included in the delivery: Red, yellow, green, blue or white. The long-life LEDs provide high luminance and low heat build-up. Versions with spring clamp terminal with connection enclosure and versions with prefabricated connection line and connection enclosure are available.

Technical Data

Explosion Protection	
Scope of validity	European Union (ATEX) IECEX
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 07.0010 X
IECEX gas explosion protection	Ex db mb ia IIC T6 Gb
IECEX dust certificate	IECEX PTB 07.0010 X
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
ATEX gas certificate	PTB 02 ATEX 2131 X
ATEX gas explosion protection	Ex II 2 G Ex db mb ia IIC T6 Gb
ATEX dust certificate	PTB 02 ATEX 2131 X
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), China (CQST), IECEX (PTB), India (PESO)
Notes	Product label may vary. Series devices have certification according to ATEX and IECEX.

Safety Data

Max. capacitance C_i	Negligible
Max. inductance L_i	Negligible
Max. voltage U_i	28 V
Max. current I_i	150 mA
Max. power P_i	1 W

Electrical Data

Rated operational voltage AC	10.8 – 28 V
Rated operational voltage DC	10.8 – 28 V
AC UL rated operational voltage	28 V
Rated operational current	12 mA

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Electrical Data

Frequency	0 to 60 Hz
UL rated operational current	0.15 A
Rated operational power	0.6 W
Electrical service life	10 ⁵ lighting hours

Lighting Data

Lamp	White LED
Luminous colour	Blue Green Red White Yellow

Ambient Conditions

Ambient temperature	-30 °C ... +60 °C
Ambient temperature	-22 °F ... +140 °F

Mechanical Data

Version	With connection chamber
IP degree of protection (IEC 60529)	Reverse side IP65, front side IP66
Enclosure material	Polyamide
Silicone-free	Yes
Conductor length	6 m
Conductor length, inches	236.22 in
Connection cross-section	0,75 mm ²
Type of connection cable	H05VV-F2X0.75 GY
Packaging unit	1
Weight	0.625 kg
Weight	1.378 lb

Mounting / Installation

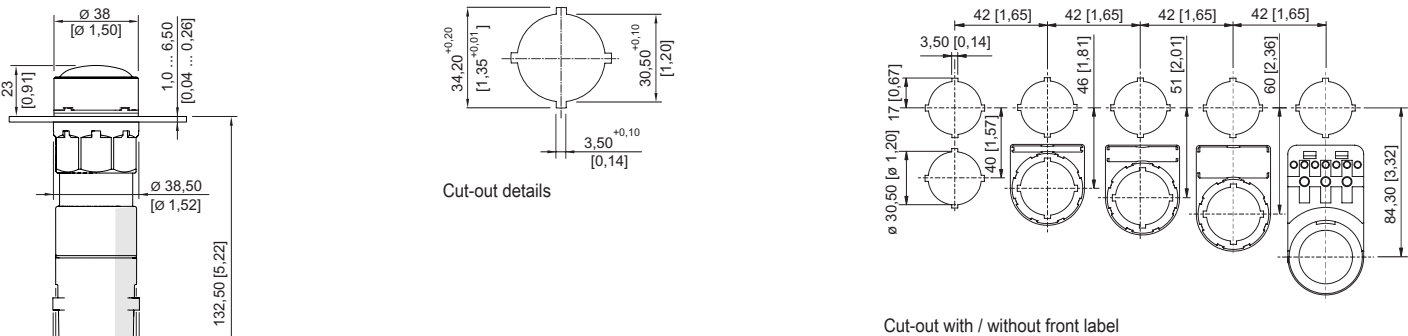
Tightening torque	1.2 Nm
Tightening torque lbf in	10.62 lbf in
Connection	Plug-in connection, connection cable

Components

Entry 1	1 x 8161/8-M16-0902
Entry 1 type	Polyamide cable gland, blue
Entry 1	M16 x 1.5
Entry 1 terminal area	2 – 9 mm
Entry 1 clamping range, inch	0.08 – 0.35 in

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



8013/3.1, 8013/3.3 Indicating lamp with terminal compartment

Accessories

Insert cap		Art. No.
	red	155842
	yellow	155834
	green	155852
	blue	155860
	white	155824

Spare Parts

Closing part		Art. No.
	8602C3-733-B for closing unused holes in cover, Ø 30.5 mm, NBR	244306
	8602C3-733-S for closing unused holes in cover, Ø 30.5 mm, silicone	244307

Insert discs for label holder		Art. No.
	1-line Plain Material: PVC Colour: White Self-adhesive	238271
	2-line Plain Material: PVC Colour: White Self-adhesive	238272
	3-line Plain Material: PVC Colour: White Self-adhesive	238273

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Label mount		Art. No.
	Label mount, size 1, without symbol label Text: 1 line for actuators to fit Ø 30.5 mm holes	155632
	Label mount, size 2, without symbol label Text: 1 or 2 lines for actuators to fit Ø 30.5 mm holes	155687
	Label mount, size 3, without symbol label Text: 1, 2 or 3 lines for actuators to fit Ø 30.5 mm holes	155844

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.