

Control and signalling devices

LED indicator lamp for panel mounting



8013/321-al Art. No. 269659



- Beneficial LED technology: Extremely long service life, high luminance, low heat build-up
- For installation in enclosure wall, enclosure cover, panels or control cabinets
- Versions with spring clamp terminal with connection chamber or versions with prefabricated connection cable and connection chamber are available

MY R. STAHL 8013B



R. STAHL Series 8013 LED indicator lamps show command statuses via a light signal, the colour of which can be determined using the colour filter included in the delivery: Red, yellow, green, blue or white. The long-lasting LED ensures high luminance and low heat build-up. Versions with spring clamp terminal and versions with prefabricated connection cable and connection chamber are available.

Technical Data

Explosion Protection

| | |
|---------------------------------|--|
| Scope of validity | Russian Federation 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 | ⊕ II 2 G Ex db mb ia IIC T6 Gb |
| ATEX dust certificate | PTB 02 ATEX 2131 X |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb IIIC T80 °C Db |
| Certificates | ATEX (PTB), China (CQST), IECEX (PTB) |
| Declaration of Conformity | ATEX (EUK), China (CCC) |
| Notes | Product label may vary. Series devices are labelled with 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 |

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Electrical Data

| | |
|---------------------------|--------------------------------|
| Rated operational current | 12 mA |
| Frequency | 0 to 60 Hz |
| 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 |
| Degree of protection (IP) (IEC 60529) | Reverse side IP65, front side IP66 |
| Enclosure material | Polyamide |
| Silicone-free | Yes |
| Connection cross-section | 0.75 ... 1.5 mm ² |
| Connection cross-section AWG | 18 AWG ... 12 AWG |
| Packaging unit | 1 |
| Weight | 100 g |
| Weight | 0.221 lb |

Mounting / Installation

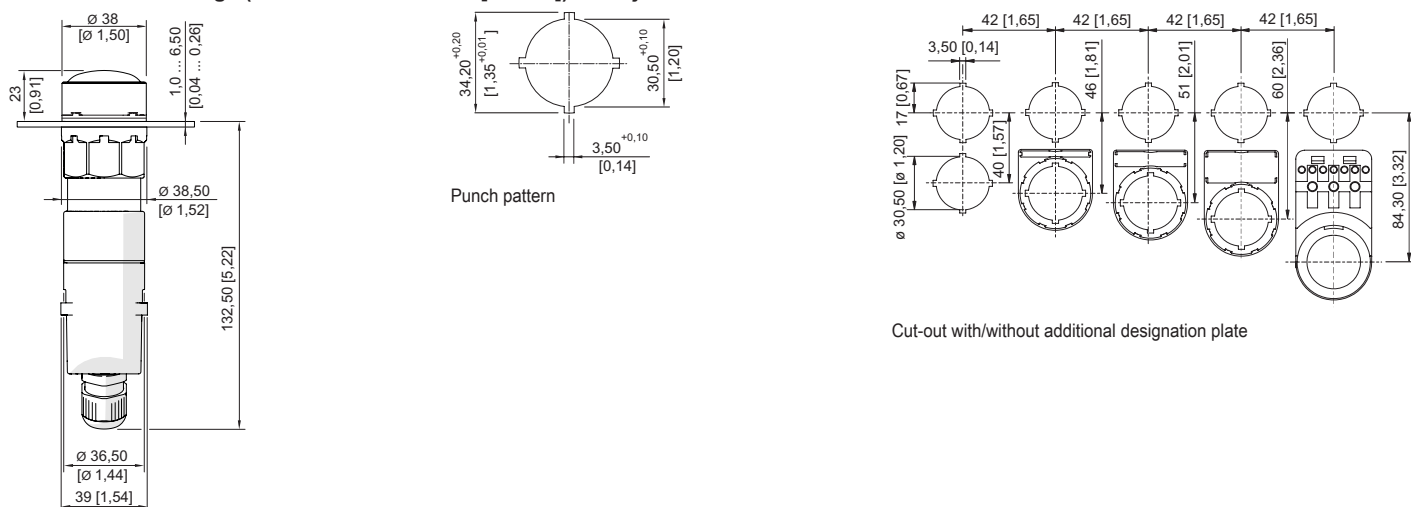
| | |
|--------------------------|----------------------------|
| Tightening torque | 1.2 Nm |
| Tightening torque lbf in | 10.62 lbf in |
| Connection | Spring terminal connection |

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 indicator lamp with connection chamber

Spare Parts




| Lens | | Art. No. |
|-------------------------------|---|----------|
| | red | 155842 |
| | yellow | 155834 |
| | green | 155852 |
| | blue | 155860 |
| | white | 155824 |
| Closing part | | Art. No. |
| | 8602C3-733-B for closing unused holes in cover, dia. 30.5 mm, NBR | 244306 |
| | 8602C3-733-S for closing unused holes in cover, dia. 30.5 mm, silicone | 244307 |
| Insert discs for label holder | | Art. No. |
| | One-line Plain Material: PVC Colour: White Self-adhesive | 238271 |
| | Two-line Plain Material: PVC Colour: White Self-adhesive | 238272 |
| | Three-line Plain Material: PVC Colour: White Self-adhesive | 238273 |

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| Label holder | Art. No. | |
|--|--|--------|
|  | Label holder, size 1, without insert disc Labelling: 1-line can be installed in dia. 30.5 mm drilled holes for actuators | 155632 |
|  | Label holder, size 2, without insert disc Labelling: 1- or 2-line can be installed in dia. 30.5 mm drilled holes for actuators | 155687 |
|  | Label holder, size 3, without insert disc Labelling: 1-, 2- or 3-line can be installed in dia. 30.5 mm drilled holes for actuators | 155844 |

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