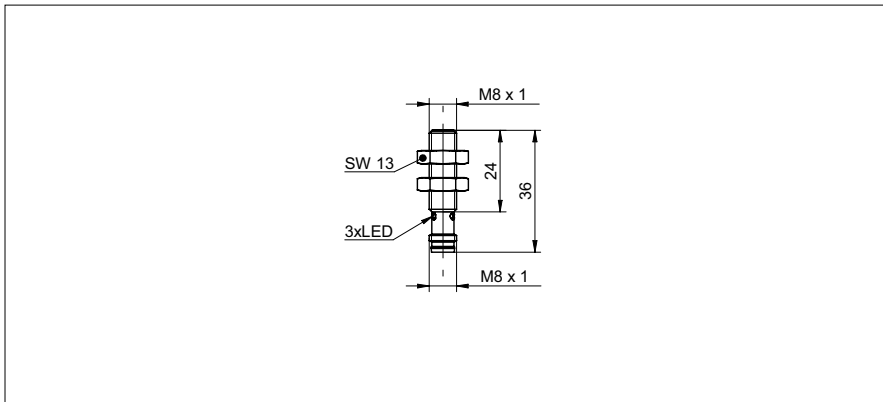


## Inductive proximity switch

IGYX 08

## sample drawing



## general data

|                                |                                    |
|--------------------------------|------------------------------------|
| mounting type                  | shielded                           |
| nominal sensing distance $S_n$ | 2 mm                               |
| assured sensing distance $S_a$ | 1,6 mm                             |
| temperature drift              | $\pm 10\%$ of $S_r$ (0 ... +60 °C) |
| hysteresis                     | 3 ... 20 % of $S_r$                |

## electrical data

|                             |               |
|-----------------------------|---------------|
| switching frequency         | < 3 kHz       |
| voltage supply range +Vs    | 10 ... 30 VDC |
| current consumption max.    | 15 mA         |
| voltage drop Vd             | < 2,5 VDC     |
| output current              | < 200 mA      |
| short circuit protection    | yes           |
| reverse polarity protection | yes           |

## mechanical data

|                         |                      |
|-------------------------|----------------------|
| type                    | cylindrical threaded |
| material (sensing face) | PBT, red             |
| housing material        | stainless steel      |
| dimension               | 8 mm                 |
| tightening torque       | 5 Nm                 |

## cable, 2 m

|                |       |
|----------------|-------|
| housing length | 30 mm |
|----------------|-------|

## connector M8

|                |       |
|----------------|-------|
| housing length | 36 mm |
|----------------|-------|

## ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class      | IP 67          |

## sample picture



**Inductive proximity switch****IGYX 08**

| <b>order reference</b>   | <b>connection types</b> | <b>output circuit</b>   | <b>output indicator</b> |
|--------------------------|-------------------------|-------------------------|-------------------------|
| <b>IGYX 08N17B3/L</b>    | cable, 2 m              | NPN make function (NO)  | LED red                 |
| <b>IGYX 08N17B3/S35L</b> | connector M8            | NPN make function (NO)  | 3 port LED red          |
| <b>IGYX 08N37B3/L</b>    | cable, 2 m              | NPN break function (NC) | LED red                 |
| <b>IGYX 08N37B3/S35L</b> | connector M8            | NPN break function (NC) | 3 port LED red          |
| <b>IGYX 08P17B3/L</b>    | cable, 2 m              | PNP make function (NO)  | LED red                 |
| <b>IGYX 08P17B3/S35L</b> | connector M8            | PNP make function (NO)  | 3 port LED red          |
| <b>IGYX 08P37B3/L</b>    | cable, 2 m              | PNP break function (NC) | LED red                 |
| <b>IGYX 08P37B3/S35L</b> | connector M8            | PNP break function (NC) | 3 port LED red          |