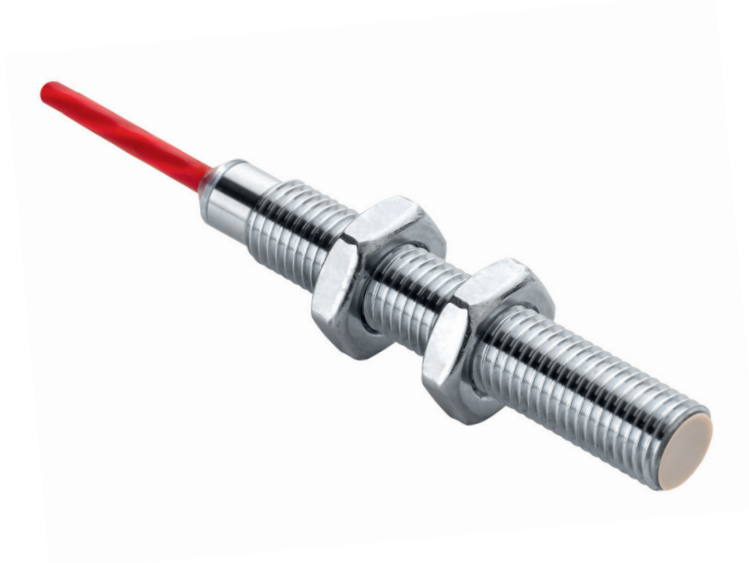


Product innovation

Inductive proximity switch M8

EGE

YOUR SENSOR SPECIALIST



M8 thread - Universal - Problem solver

- Increased switching distance S_n 2 mm
- Use in demanding environments up to 120 °C
- Resistant to temperature changes / climatic proof
- Illuminated ring for switching status
- Stainless steel housing

Application

If the installation space is limited and the ambient temperature can reach 120 °C, this inductive proximity switch is the problem solver. In the flush design, it offers a switching distance of 2 mm for steel St 37 and signals a detected object with an illuminated ring at the cable outlet. The sensor is waterproof and withstands the cleaning process in areas where cleanliness is important. Its sealing concept also allows it to be used in oily environments.

Features

- Design M8 flush
- Switching distance S_n 2 mm (St 37)
- For demanding environments up to 120 °C
- Resistant to temperature changes / climatic proof
- Stainless steel housing
- Actuating surface PEEK
- Output can be loaded with 200 mA up to 30 °C
- Supply voltage range 10...30 V DC
- Illuminated ring for switching status
- 2 m FEP-cable (standard)

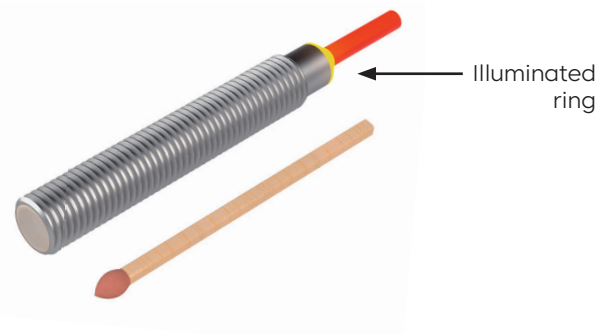
Type

IGMF 202 GSP

P31493

Display

The special plastic part placed at the cable outlet functions as a light element and appears yellow as soon as an object is detected by the sensor.

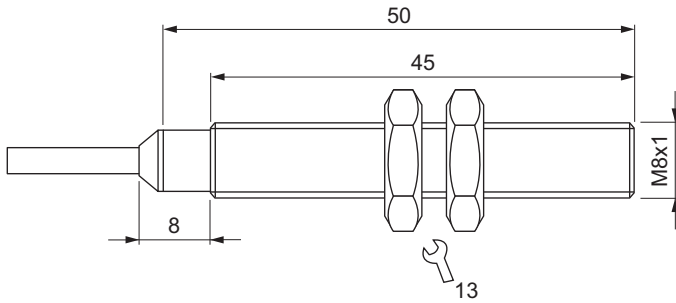


Installation

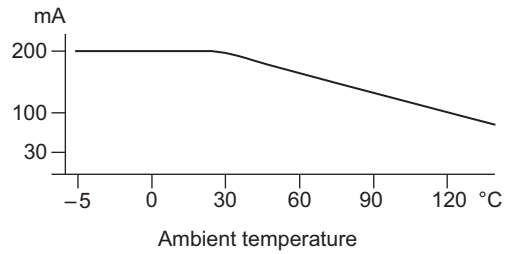
The sensor can be installed flush in a metal frame or in a mounting bracket when using the stainless steel nuts supplied.

Operation

A DC voltage between 10 and 30 V is required for operation. The PNP switching output can supply a current of 200 mA at ambient temperatures of up to 100 °C, and 100 mA is still permissible at 120 °C.



Derating of the Switching current



Technical data

ID-No.

Type

Nominal switching distance
Switching output

Supply voltage
Switching current
Current consumption
Switching frequency
Ambient temperature
Compressive strength actuating surface
Protection cable outlet

Function display

Housing material
Connection

Accessories

Mounting

P31493

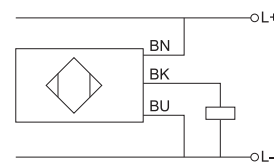
IGMF 202 GSP

2 mm flush (St 37)
PNP-No, short-circuit proof

10...30
200 (100 °C), 100 (120 °C)
max. 3
1500
0...+120
4
IP 68 (3 bar)

Illuminated ring at cable outlet (yellow for object detection)

PEEK, PSU, AISI 316 Ti
2 m FEP-cable, 3x0.14 mm²



2 nuts stainless steel M8x1, SW 13, d = 4 mm
(part of delivery)

