

## Overview

- emitter
- through beam sensor
- 55 m
- pulsed red laser diode
- connector M12 4 pin
- -10 ... 55 °C
- IP 67



Picture similar



## Technical data

### General data

Type	Through beam sensor
Emitter / receiver	Emitter
Light source	Pulsed red laser diode
Actual range Sb	55 m
Nominal range Sn	60 m
Power on indication	LED green
Emission power adjustment	No
Laser class	1
Distance to focus	Parallel beam
Wave length	630 nm

### Electrical data

Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	45 mA

### Electrical data

Current consumption typ.	35 mA
Reverse polarity protection	Yes

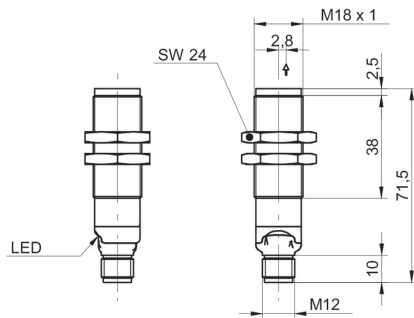
### Mechanical data

Width / diameter	18 mm
Height / length	71,5 mm
Type	Cylindrical threaded
Housing material	Brass nickel plated
Front (optics)	PMMA
Connection types	Connector M12 4 pin

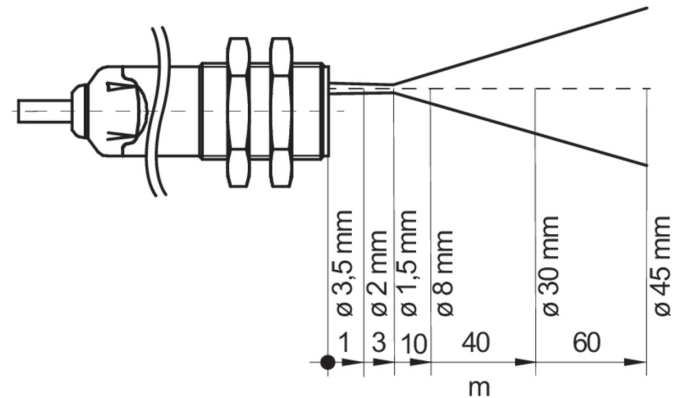
### Ambient conditions

Operating temperature	-10 ... +55 °C
Protection class	IP 67

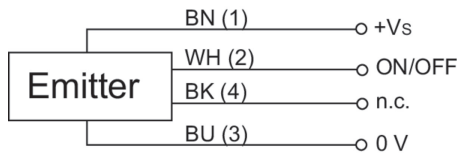
#### Dimension drawing



#### Beam characteristic (typically)



#### Connection diagram



#### Laser warning

### CLASS 1 LASER PRODUCT

IEC 60825-1/2014  
Complies with 21 CFR 1040.10 and  
1040.11 except for conformance with  
IEC 60825-1 Ed. 3., as described in  
Laser Notice No. 56, dated May 8, 2019

#### Pin assignment

