

Overview

- diffuse contrast sensor
- 20 ... 300 mm
- pulsed red laser diode
- PNP
- Teach-in
- connector M8 4 pin
- -10 ... 50 °C
- IP 67



Picture similar



Technical data

General data

Type	Diffuse contrast sensor
Light source	Pulsed red laser diode
Sensing distance Tw	20 ... 300 mm
Optimum operating distance	40 ... 60 mm
Repeat accuracy	< 0.2 mm at laser focus
Power on indication	LED green
Alignment / soiled lens indicator	Flashing light indicator
Light indicator	LED yellow
Sensitivity adjustment	Teach-in
Laser class	2
Distance to focus	115 mm
Wave length	650 nm

Electrical data

Response time / release time	< 0.15 ms
Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	35 mA

Electrical data

Current consumption typ.	25 mA
Voltage drop Vd	< 2.2 VDC
Output function	Light operate
Output circuit	PNP
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

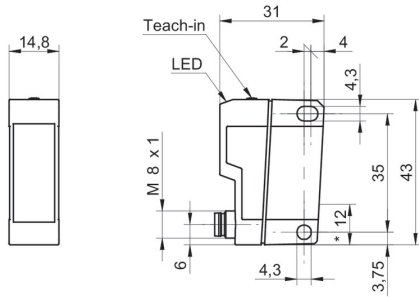
Mechanical data

Width / diameter	14.8 mm
Height / length	43 mm
Depth	31 mm
Type	Rectangular
Housing material	Plastic (ASA, MABS)
Front (optics)	PMMA
Connection types	Connector M8 4 pin

Ambient conditions


Protection class	IP 67
Operating temperature	-10 ... +50 °C

Dimension drawing



- * emitter axis

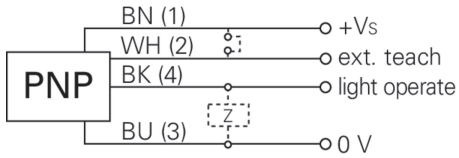
Laser warning



LASER RADIATION
DO NOT STARE INTO BEAM
Wavelength: 640...670nm
IEC 60825-1, Ed. 3, 2014
CLASS 2 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

Connection diagram



Beam characteristic (typically)

