

Electrical data

No-load current I_0 max. at U_e	20 mA
Operating voltage U_b	10...30 VDC
Rated operating current I_e	200 mA
Rated operating voltage U_e DC	24 V
Ready delay t_v max.	100 ms
Voltage drop U_d max. at I_e	1 V

Environmental conditions

Ambient temperature	-15...60 °C
IP rating	IP67

Functional safety

MTTF (40 °C) 211 a

Switching output NPN normally open (NO)

Housing material	ABS
	PMMA
Material sensing surface	PMMA

Mechanical data

Dimension	15 x 48.9 x 31 mm
Mounting part	Thread M18x1 Screw M3 (2x)

Range/Distance

Hysteresis H max.	20 %
Range	5...300 mm
Rated operating distance Sn	300 mm Adjustable

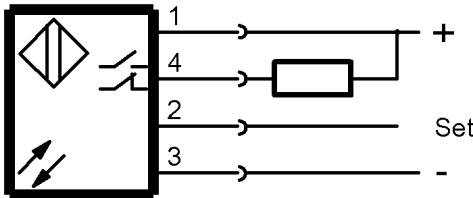
Optical features

Ambient light max.	10000 Lux
Light spot size	18 x 18 mm at 300 mm
Light type	LED, red light
Principle of optical operation	Diffuse sensor
Wave length	660 nm

Connector Drawings



Wiring Diagrams



Opto Symbols

