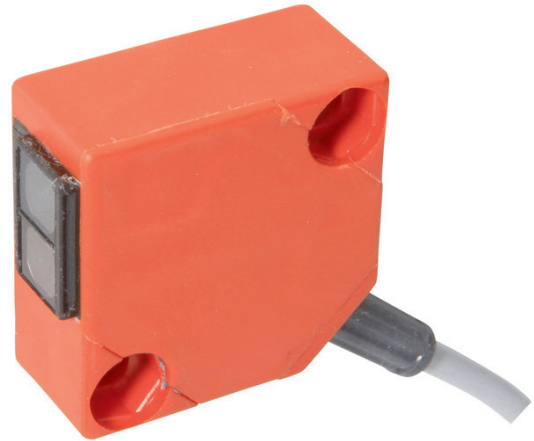


**OT150105****OPTICAL SENSORS • DIFFUSE REFLECTION SENSORS WITH INTENSITY DIFFERENTIATION**

sensor optical, diffuse-reflection sensor, 30x30x15mm, Sn: 0-600,  
10-35V DC, 1x PNP NO (NO), Cable 2m PVC, IP65, PBTP+Glass, 1kHz,  
Infrared light, Point, Manual adjustment

**MECHANICAL FEATURES**

Ambient temperature	-25 °C ... 55 °C
Cable length	2 m
Degree of protection (IP)	IP65
Design	Cuboid
Housing material	PBTP
Material of cable sheath	PVC
Material of optical surface	Glass
Number of cores	3
Reflector included in the scope of delivery	-
Sensor height	30 mm
Sensor length	30 mm
Sensor width	15 mm
Volume	Small
Wire cross section	0.14 mm <sup>2</sup>
With interchangeable lens	-

**ELECTRICAL FEATURES**

Alarm output	-
Clock frequency of the transmitter	15 kHz
Decay time	0.5 ms
Equipment protection class	Protection class 3
High repeat accuracy	-
Hysteresis	10 %
Interference suppression	-
Max. switching distance	600 mm
No-load current	15 mA
Number of switching outputs	1
Operating voltage	10 V ... 35 V
Pre-failure message	-
Rated switching current	200 mA
Readiness delay	100 ms
Residual ripple	20 %
Response time	0.5 ms

**ELECTRICAL FEATURES**

Reverse polarity protection	+
Scanning function	Light switching
Sensing range	0 mm ... 600 mm
Setting procedure	Manual adjustment
Short-circuit protection	+
Suitable for safety functions	-
Switching frequency	1000 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With communication interface, RS-232	-
With LED display	+
With monitoring function of downstream devices	-
With other analog output	-
With restart lock	-
With time function	-

**OPTICAL FEATURES**

Light source	Infrared light
Wavelength of the sensor	880 nm
Light exit	Axial
Light beam form	Point
Small light beam diameter	-
Line scanner	-

**OTHER FEATURES**

Feeding technology	+
For gloss queries	-
Is line scan camera	-

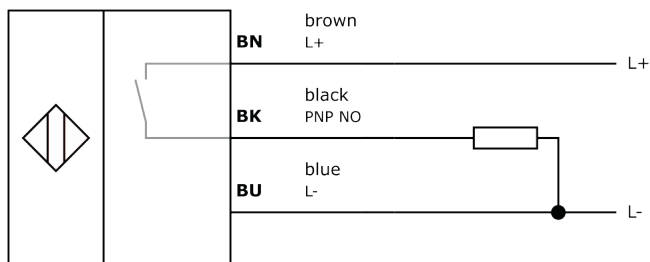
**Other**

Packaging dimensions	180mm x 25.0mm x 210mm
Shipping weight	0.06kg
Tariff code	85365019

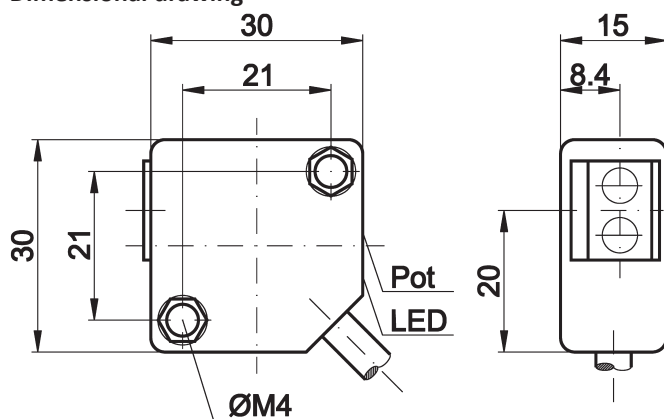
**Classification**

ipf product group	100
eClass 8.0	27270903
eClass 9.0	27270903
eClass 9.1	27270903
ETIM-5.0	EC001821
ETIM-6.0	EC001821
ETIM-7.0	EC001821

## Connection



## Dimensional drawing



## Installation



Mounting / installation may only be carried out by a qualified electrician!

## Disposal



## Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.