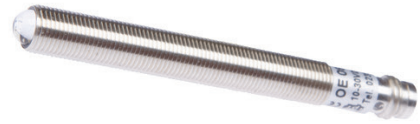


**OE080170**
**OPTICAL SENSORS • THROUGH-BEAM SENSORS RECEIVERS**

sensor optical, Through-beam sensor receiver, M8x0.75 75long,  
Sn: 2.5m, 10-30V DC, PNP NO (NO), Connector M8, IP65, Brass Ni-  
ckel-plated+Plastic PC, Infrared light


**MECHANICAL FEATURES**

Ambient temperature	-25 °C ... 65 °C
Degree of protection (IP)	IP65
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Material of optical surface	Plastic PC
Sensor length	75 mm
Thread length	55 mm
Thread pitch	0.75 mm
Thread size, metric	8
Version	Through-beam sensor receiver

**ELECTRICAL FEATURES**

Connection to amplifier	-
Decay time	2.5 ms
Measuring range	2.5 m
No-load current	24 mA
No-load current, receiver	24 mA
Operating voltage	10 V ... 30 V
Rated switching current	100 mA
Rated switching distance	2500 mm
Response time	2.5 ms
Reverse polarity protection	+
Scanning function	Dark switching
Short-circuit protection	+
Suitable for safety functions	-
Switching frequency	200 Hz
Type of electrical connection	Connector M8
Type of input voltage	DC
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC

## ELECTRICAL FEATURES

With LED display	+
With LED display (functional reserve)	+
With LED display (signal)	+
With time function	-

## OPTICAL FEATURES

Light source	Infrared light
Wavelength of the sensor	880 nm
Light beam form	Point

## OTHER FEATURES

Scope of delivery of the one-way system	Receiver
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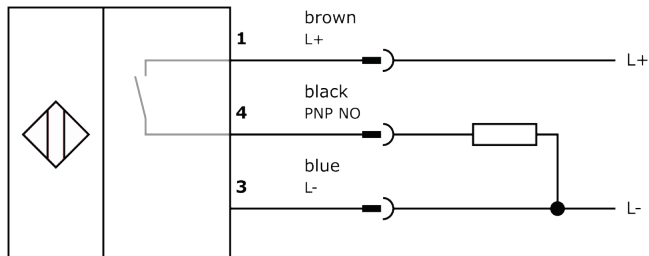
### Other

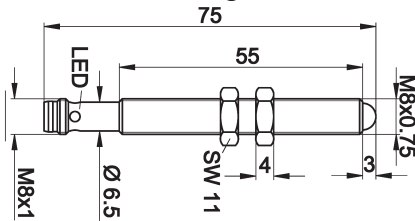
Packaging dimensions	75.0mm x 17.0mm x 95.0mm
Shipping weight	0.02kg
Tariff code	85365019

### Classification

ipf product group	100
eClass 8.0	27270901
eClass 9.0	27270901
eClass 9.1	27270901
ETIM-5.0	EC002716
ETIM-6.0	EC002716
ETIM-7.0	EC002716

## 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.