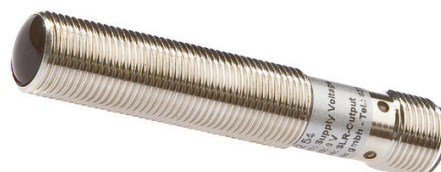


**OE12A254**
**OPTICAL SENSORS • THROUGH-BEAM SENSORS RECEIVERS**

sensor optical, Through-beam sensor receiver, M12x1 66long,  
 Sn: 6m, 15-30V DC, PNP NO (NO), Connector M12, IP67, Brass Nickel-plated+Plastic, Infrared light


**MECHANICAL FEATURES**

Ambient temperature	-25 °C ... 60 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Material of optical surface	Plastic
Reflector included in the scope of delivery	-
Sensor length	66 mm
Shock resistance	30 g
Thread length	40 mm
Thread pitch	1 mm
Thread size, metric	12
Version	Through-beam sensor receiver

**ELECTRICAL FEATURES**

Connection to amplifier	-
Measuring range	6 m
No-load current	35 mA
No-load current, receiver	35 mA
Operating voltage	15 V ... 30 V
Rated switching current	100 mA
Rated switching distance	6000 mm
Reverse polarity protection	+
Scanning function	Dark switching
Short-circuit protection	+
Suitable for safety functions	-
Switching frequency	150 Hz
Type of electrical connection	Connector M12
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 time function	-

## OPTICAL FEATURES

Angle of beam spread	12.5 °
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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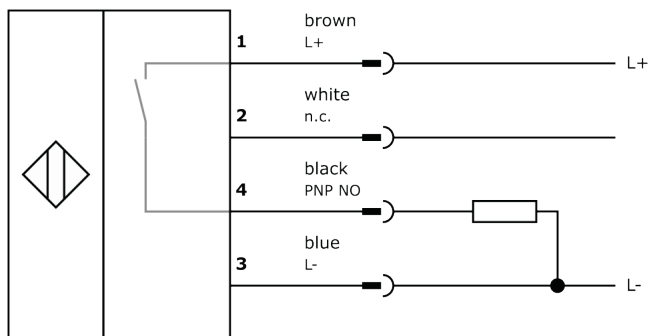
### Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.04kg
Tariff code	85365019

### Classification

ipf product group	700
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.

