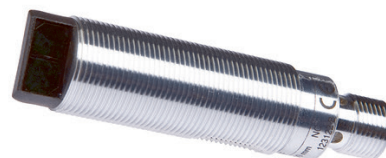


OR180228
OPTICAL SENSORS • RETRO-REFLECTIVE SENSORS

sensor optical, reflective, M18x1 75long, Polarized red light, Point, Sn: 2000, 10-35V DC, PNP NC (NC), Connector M12 4pin, IP67, Brass Chrome-plated+Glass, With polarizing filter


MECHANICAL FEATURES

Ambient temperature	-25 °C ... 55 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Chrome-plated
Housing material	Brass
Increased ambient temperatures >70°C	-
Material of optical surface	Glass
Max. tightening torque	20 Nm
Reflector included in the scope of delivery	-
Sensor diameter	18 mm
Sensor length	75 mm
Thread length	45 mm
Thread pitch	1 mm
Thread size, metric	18

ELECTRICAL FEATURES

Alarm output	-
Clock frequency of the transmitter	15 kHz
Decay time	0.5 ms
Function test	-
Interference suppression	-
Max. switching distance	2000 mm
No-load current	15 mA
Number of pins	4
Operating voltage	10 V ... 35 V
Rated switching current	200 mA
Rated switching distance	2000 mm
Readiness delay	20 ms
Response time	0.5 ms
Reverse polarity protection	+
Scanning function	Light switching
Short-circuit protection	+
Switching frequency	1000 Hz

ELECTRICAL FEATURES

Type of electrical connection

Connector M12

Type of input voltage

DC

Type of switching function

Normally closed contact (NC)

Type of switching output

PNP

Voltage drop

2 V

Voltage type

DC

With LED display

+

With polarizing filter

+

With time function

-

OPTICAL FEATURES

Light source

Polarized red light

Wavelength of the sensor

660 nm

Light beam form

Point

For transparent objects

-

Other

Packaging dimensions

185.0mm x 20mm x 210mm

Shipping weight

0.07kg

Tariff code

85365019

Classification

ipf product group

100

eClass 8.0

27270902

eClass 9.0

27270902

eClass 9.1

27270902

ETIM-5.0

EC002717

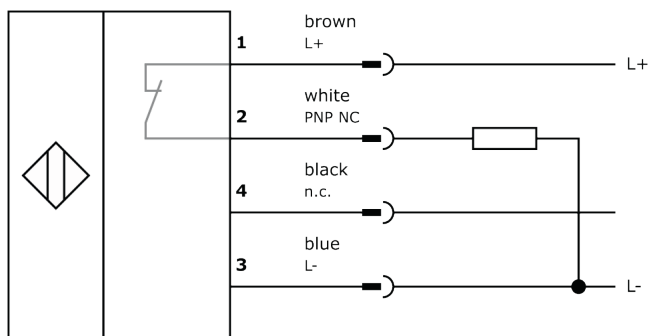
ETIM-6.0

EC002717

ETIM-7.0

EC002717

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.