

OR120226
OPTICAL SENSORS • RETRO-REFLECTIVE SENSORS

sensor optical, reflective, M12x1 60long, Polarized red light, Point, Sn: 1500, 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	10 Nm
Reflector included in the scope of delivery	-
Sensor diameter	12 mm
Sensor length	60 mm
Thread length	41 mm
Thread pitch	1 mm
Thread size, metric	12

ELECTRICAL FEATURES

Alarm output	-
Clock frequency of the transmitter	15 kHz
Decay time	0.5 ms
Function test	-
Interference suppression	-
Max. switching distance	1500 mm
No-load current	15 mA
Number of pins	4
Operating voltage	10 V ... 35 V
Rated switching current	200 mA
Rated switching distance	1500 mm
Readiness delay	20 ms
Residual ripple	20 %
Response time	0.5 ms
Reverse polarity protection	-
Scanning function	Light switching
Short-circuit protection	+

ELECTRICAL FEATURES

Switching frequency	1000 Hz
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	-

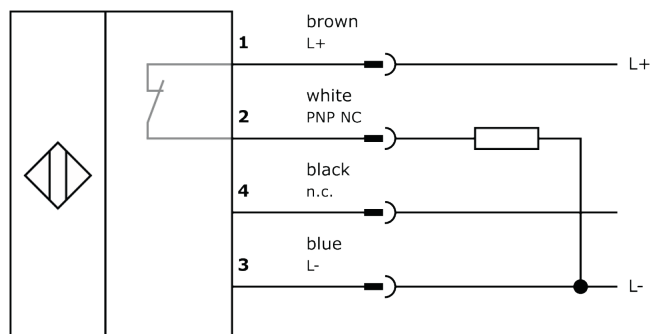
Other

Packaging dimensions	185.0mm x 14.0mm x 210mm
Shipping weight	0.04kg
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.