

OR120106

OPTICAL SENSORS • RETRO-REFLECTIVE SENSORS

sensor optical, reflective, M12x1 50long, Polarized red light, Point, Sn: 1500, 10-35V DC, PNP NO (NO), Cable 2m PVC, IP67, Brass Chrome-plated+Glass, With polarizing filter



MECHANICAL FEATURES

Ambient temperature	-25 °C ... 55 °C
Cable length	2 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Chrome-plated
Housing material	Brass
Increased ambient temperatures >70°C	-
Material of cable sheath	PVC
Material of optical surface	Glass
Max. tightening torque	10 Nm
Number of cores	3
Reflector included in the scope of delivery	-
Sensor diameter	12 mm
Sensor length	50 mm
Thread length	50 mm
Thread pitch	1 mm
Thread size, metric	12
Wire cross section	0.34 mm ²

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
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

ELECTRICAL FEATURES

Reverse polarity protection	+
Scanning function	Dark switching
Short-circuit protection	+
Switching frequency	1000 Hz
Type of electrical connection	Cable
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
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	-

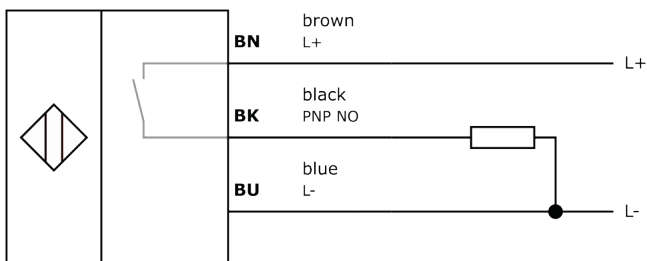
Other

Packaging dimensions	150mm x 20mm x 200mm
Shipping weight	0.11kg
Tariff code	85365019

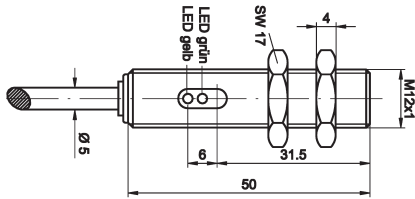
Classification

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.

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