

OR180323
OPTICAL SENSORS • RETRO-REFLECTIVE SENSORS

sensor optical, reflective, M18x1 71long, Polarized red light, Point, Manual adjustment, Sn: 4000, 10-30V DC, PNP Programmable/configurable, Connector M12 4pin, IP67, Brass Nickel-plated+Plastic, With polarizing filter


MECHANICAL FEATURES

Ambient temperature	-25 °C ... 55 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Increased ambient temperatures >70°C	-
Material of optical surface	Plastic
Reflector included in the scope of delivery	-
Sensor diameter	18 mm
Sensor length	71 mm
Thread length	35 mm
Thread pitch	1 mm
Thread size, metric	18

ELECTRICAL FEATURES

Alarm output	-
Decay time	1 ms
Function test	-
Interference suppression	-
Max. switching distance	4000 mm
No-load current	15 mA
Number of pins	4
Operating voltage	10 V ... 30 V
Rated switching current	100 mA
Rated switching distance	4000 mm
Response time	1 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	500 Hz
Type of electrical connection	Connector M12
Type of input voltage	DC

ELECTRICAL FEATURES

Type of switching function	Programmable/configurable
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	880 nm
Light beam form	Point
For transparent objects	-

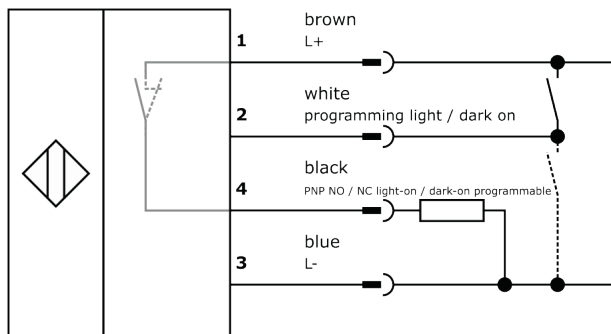
Other

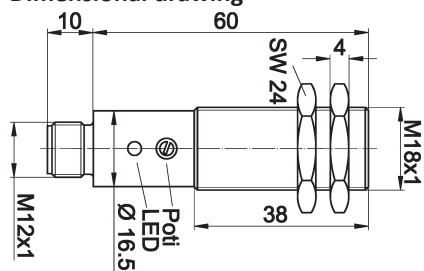
Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.07kg
Tariff code	85365019

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.