

OR180303

OPTICAL SENSORS • RETRO-REFLECTIVE SENSORS

sensor optical, reflective, M18x1 60long, Polarized red light, Point, Manual adjustment, Sn: 4000, 10-30V DC, PNP Programmable/configurable, Cable 2m PVC, IP67, Brass Nickel-plated+Plastic, 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	Nickel-plated
Housing material	Brass
Increased ambient temperatures >70°C	-
Material of cable sheath	PVC
Material of optical surface	Plastic
Number of cores	4
Reflector included in the scope of delivery	-
Sensor diameter	18 mm
Sensor length	60 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
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

ELECTRICAL FEATURES

Type of electrical connection	Cable
Type of input voltage	DC
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	-

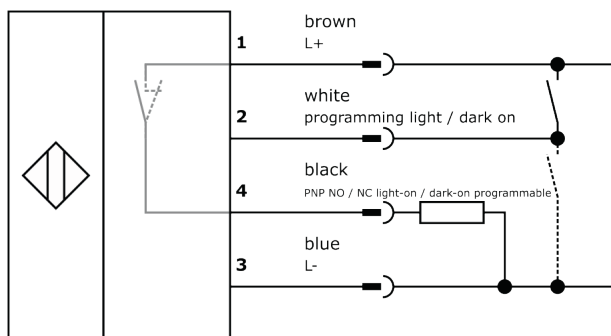
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.14kg
Tariff code	85365019

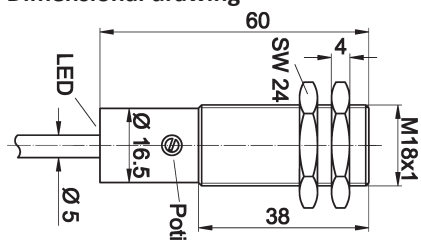
Classification

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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