

OR18A923
OPTICAL SENSORS • RETRO-REFLECTIVE SENSORS

sensor optical, reflective, M18x1 82long, Polarized red light, Point, Manual adjustment, Sn: 100-4500, 10-30V DC, PNP NC/NO, Connector M12 4pin, IP67, Brass Nickel-plated+PMMA, 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
Material of optical surface	PMMA
Sensor length	81.5 mm
Storage temperature	-25 °C ... 70 °C
Thread pitch	1 mm
Thread size, metric	18

ELECTRICAL FEATURES

Alarm output	-
Decay time	0.5 ms
Function test	-
Interference suppression	+
Max. switching distance	4500 mm
No-load current	35 mA
Number of pins	4
Operating voltage	10 V ... 30 V
Rated switching current	100 mA
Response time	0.5 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	1000 Hz
Type of electrical connection	Connector M12
Type of input voltage	DC
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC

ELECTRICAL FEATURES

With LED display	+
With polarizing filter	+
With time function	-

OPTICAL FEATURES

Light source	Polarized red light
Min. reflector distance	100 mm
Wavelength of the sensor	660 nm
Light beam form	Point
For transparent objects	-

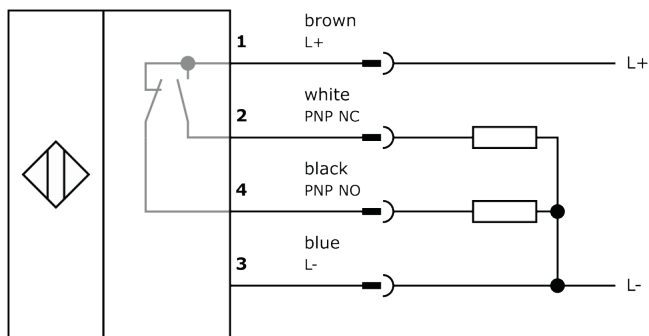
Other

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

Classification

ipf product group	700
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.

