

OR98E152

OPTICAL SENSORS • RETRO-REFLECTIVE SENSORS

sensor optical, reflective, 74x56x24mm, Polarized red light, Point, Manual adjustment, Sn: 10-15000, 10-30V DC, PNP Programmable/configurable, Rotatable M12-connector 4pin, IP67, Plastic ABS+PMMA, With polarizing filter



MECHANICAL FEATURES

Ambient temperature	-25 °C ... 55 °C
Degree of protection (IP)	IP67
Design	Cuboid
Housing material	Plastic ABS
Increased ambient temperatures >70°C	-
Material of optical surface	PMMA
Reflector included in the scope of delivery	-
Sensor height	74.5 mm
Sensor length	55.8 mm
Sensor width	23.5 mm
Shock resistance	30 g
Storage temperature	-40 °C ... 70 °C
Vibration resistance	55 Hz
Volume	Medium

ELECTRICAL FEATURES

Alarm output	-
Decay time	0.5 ms
Function test	-
Interference suppression	-
Max. switching distance	15000 mm
No-load current	20 mA
Number of pins	4
Operating voltage	10 V ... 30 V
Rated switching current	100 mA
Rated switching distance	13000 mm
Reaction time	0.5 ms
Residual ripple	10 %
Response time	0.5 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Setting procedure	Manual adjustment
Short-circuit protection	+

ELECTRICAL FEATURES

Suitable for safety functions

Switching frequency	1000 Hz
Type of electrical connection	Rotatable M12-connector
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
Min. reflector distance	10 mm
Light beam form	Point
For transparent objects	-

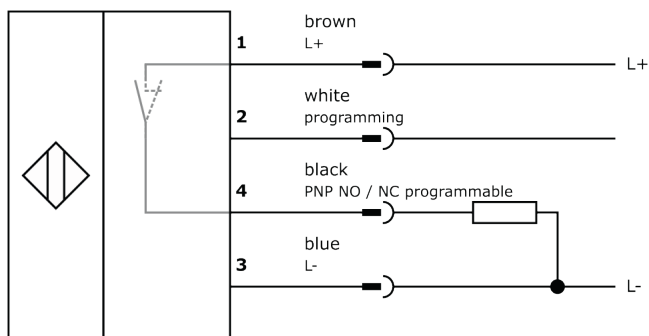
Other

Packaging dimensions	70mm x 40mm x 125.0mm
Shipping weight	0.19kg
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.