PE991323

LASER SENSORS • THROUGH-BEAM SENSORS RECEIVERS

sensor laser, Through-beam sensor receiver, M18x1 90long, Sn: 150m, 12-32V DC, PNP NC (NC), 0-10V, Connector M12 4pin, IP67, Brass Nickel-plated, Laser diode, red light

MECHANICAL FEATURES

Ambient temperature	-20 °C ... 50 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Reflector included in the scope of delivery	-
Sensor length	90 mm
Storage temperature	-20 °C ... 85 °C
Thread length	60 mm
Thread pitch	1 mm
Thread size, metric	18
Version	Through-beam sensor receiver

ELECTRICAL FEATURES

Connection to amplifier	-
Laser power	1 mW
Measuring range	150 m
No-load current	40 mA
Number of pins	4
Operating voltage	12 V ... 32 V
Rated switching current	100 mA
Rated switching distance	150000 mm
Relative repeat accuracy	100 µm
Scanning function	Light-/dark-on mode
Suitable for safety functions	-
Switching frequency	1000 Hz
Type of analog output	0 V ... 10 V
Type of electrical connection	Connector M12
Type of input voltage	DC
Type of switching function	Normally closed contact (NC)
Type of switching output	PNP
Voltage type	DC
With time function	-

OPTICAL FEATURES

Light source	Laser diode, red light
Wavelength of the sensor	670 nm
Light beam form	Line
Filter	Interference filter

OTHER FEATURES

Scope of delivery of the one-way system	Receiver

Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.12kg
Tariff code	85365019

Classification

ipf product group	705
eClass 8.0	27270901
eClass 9.0	27270901
eClass 9.1	27270901
ETIM-5.0	EC002716
ETIM-6.0	EC002716
ETIM-7.0	EC002716

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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