

PS120020

LASER SENSORS • THROUGH-BEAM SENSORS TRANSMITTERS

sensor laser, Through-beam sensor transmitter, M12x1 75long, aperture Ø1mm, Sn: 5m, 12-32V DC, Connector M12 4pin, IP67, Brass Nickel-plated+Plastic PK, Laser diode, red light



MECHANICAL FEATURES

Ambient temperature	-20 °C ... 50 °C
Aperture diameter	1 mm
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Material of optical surface	Plastic PK
Sensor length	75 mm
Storage temperature (MAX)	85 °C
Thread length	45 mm
Thread pitch	1 mm
Thread size, metric	12
Version	Through-beam sensor transmitter

ELECTRICAL FEATURES

Connection to amplifier	-
Function test	+
Laser power	1 mW
Measuring range	5 m
No-load current	50 mA
No-load current, transmitter	50 mA
Number of pins	4
Operating voltage	12 V ... 32 V
Reverse polarity protection	+
Suitable for safety functions	-
Type of electrical connection	Connector M12
Type of input voltage	DC
Voltage type	DC

OPTICAL FEATURES

Light source	Laser diode, red light
Light spot	0.79 mm ²
Wavelength of the sensor	670 nm

OPTICAL FEATURES

Light beam form	Point
Laser class	EV006626

OTHER FEATURES

Scope of delivery of the one-way system	Transmitter
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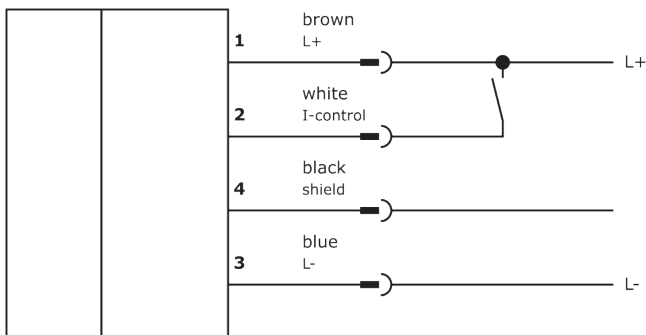
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.05kg
Tariff code	85365019

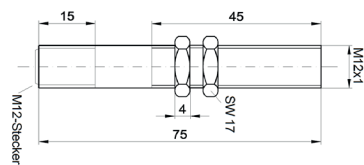
Classification

ipf product group	160
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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