

PS080075

LASER SENSORS • THROUGH-BEAM SENSORS TRANSMITTERS

sensor laser, Through-beam sensor transmitter, M8x1 66long, aperture Ø1mm, Sn: 5m, 12-32V DC, Connector M8 3pin, IP67, Brass Nickel-plated+Glass, 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	Glass
Sensor length	66 mm
Storage temperature (MAX)	85 °C
Thread length	36 mm
Thread pitch	1 mm
Thread size, metric	8
Version	Through-beam sensor transmitter

ELECTRICAL FEATURES

Connection to amplifier	-
Function test	+
Laser power	1 mW
Measuring range	5 m
No-load current	60 mA
No-load current, transmitter	60 mA
Number of pins	3
Operating voltage	12 V ... 32 V
Reverse polarity protection	+
Suitable for safety functions	-
Type of electrical connection	Connector M8
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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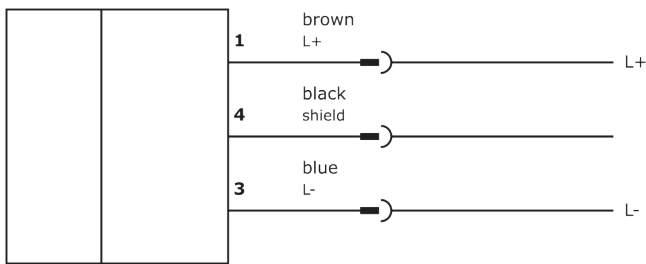
Other

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

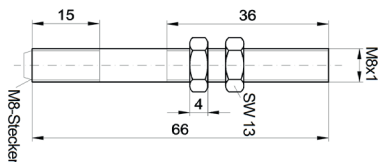
Classification

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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