

PS180023**LASER SENSORS • THROUGH-BEAM SENSORS TRANSMITTERS**

sensor laser, Through-beam sensor transmitter, M18x1 90long, aperture 0.5x4mm, Sn: 3m, 12-32V DC, Connector M12 4pin, IP67, Brass Nickel-plated+Glass, 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
Material of optical surface	Glass
Sensor length	90 mm
Storage temperature (MAX)	85 °C
Thread length	60 mm
Thread pitch	1 mm
Thread size, metric	18
Version	Through-beam sensor transmitter

ELECTRICAL FEATURES

Connection to amplifier	-
Function test	+
Laser power	1 mW
Measuring range	3 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
With LED display (operation)	+

OPTICAL FEATURES

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

OPTICAL FEATURES

Light beam form	Line
Aperture length	0.5 mm
Aperture width	4 mm
Laser class	EV006626

OTHER FEATURES

Scope of delivery of the one-way system	Transmitter
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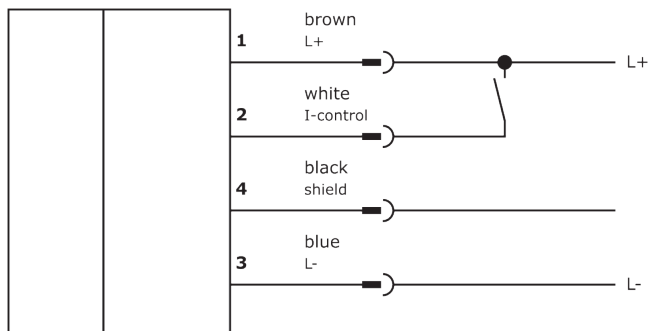
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.08kg
Tariff code	85365019

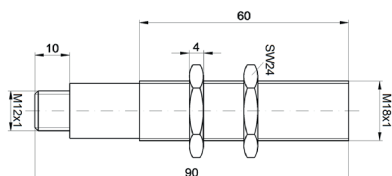
Classification

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.