

OS050075
OPTICAL SENSORS • THROUGH-BEAM SENSORS TRANSMITTERS

sensor optical, Through-beam sensor transmitter, M5x0.5 36long,
Sn: 0.5m, 10-30V DC, IO-Link, Cable connector M8 3pin 0.3m PUR
(Polyurethane), IP67, V2A+PMMA, Polarity free red light


MECHANICAL FEATURES

Ambient temperature	-25 °C ... 65 °C
Cable length	0.3 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel (V2A)
Material of cable sheath	PUR (Polyurethane)
Material of optical surface	PMMA
Max. tightening torque	1 Nm
Sensor length	36 mm
Thread length	30 mm
Thread pitch	0.5 mm
Thread size, metric	5
Version	Through-beam sensor transmitter
Wire cross section	0.14 mm ²

ELECTRICAL FEATURES

Connection to amplifier	-
Function test	-
Input (TeachIn)	-
IO-Link compatible	+
Measuring range	0.5 m
No-load current	8 mA
No-load current, transmitter	8 mA
Number of pins	3
Operating voltage	10 V ... 30 V
Rated control supply voltage U_s at DC	10 V ... 30 V
Rated switching distance	500 mm
Residual ripple	10 %
Reverse polarity protection	+
Suitable for safety functions	-
Type of electrical connection	Cable connector M8
Voltage type	DC
With time function	-

OPTICAL FEATURES

Angle of beam spread	15 °
Light source	Polarity free red light
Wavelength of the sensor	630 nm
Light beam form	Point

OTHER FEATURES

Scope of delivery of the one-way system	Transmitter
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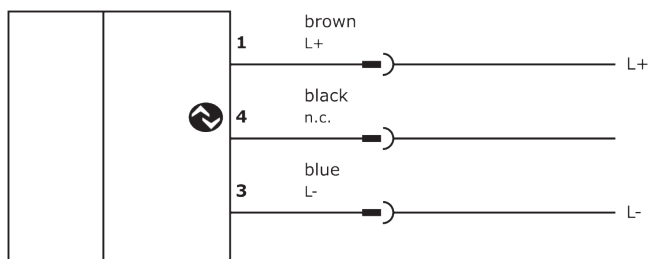
Other

Packaging dimensions	180mm x 10mm x 210mm
Shipping weight	0.02kg
Tariff code	85365019

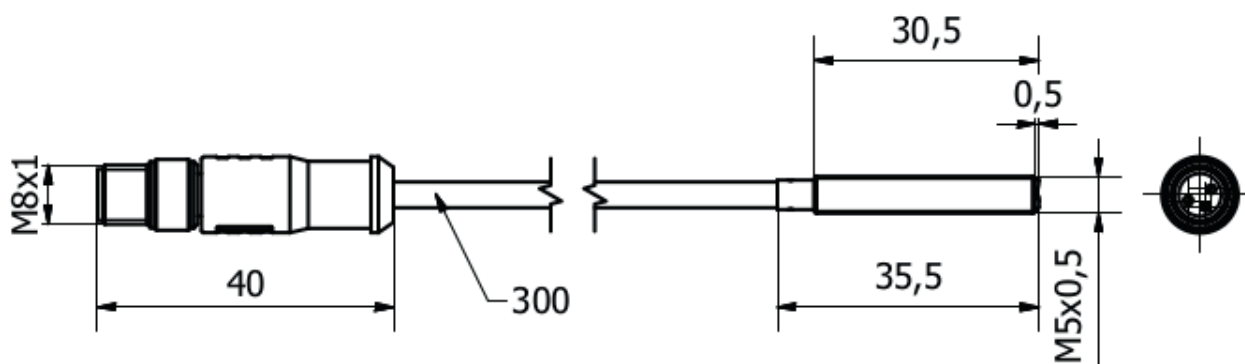
Classification

ipf product group	100
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



Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage:

www.ipf-electronic.com

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.