

PS500040
LASER SENSORS • LINE SENSORS TRANSMITTERS

sensor laser, Line sensor transmitter, 105x30x125mm, aperture 48,
Sn: 2m, 22-26V DC, Connector M9 4pin, IP54, Aluminum Anodised,
Laser diode, red light


MECHANICAL FEATURES

Ambient temperature	-10 °C ... 50 °C
Degree of protection (IP)	IP54
Design	Cuboid
Field height	48 mm
Housing coating	Anodized
Housing material	Aluminum
Reflector included in the scope of delivery	-
Sensor height	105 mm
Sensor length	30 mm
Sensor width	125 mm
Storage temperature	-20 °C ... 85 °C
Version	Line sensor transmitter
Volume	Large

ELECTRICAL FEATURES

Connection to amplifier	-
Input (TeachIn)	+
Laser power	0.4 mW
Measuring range	2 m
No-load current	200 mA
Number of pins	4
Number of pins of the communication interface, transmitter + receiver	4
Operating voltage	21.6 V ... 26.4 V
Relative repeat accuracy	16 µm
Setting procedure	Parameterization
Switching frequency	500 Hz
Type of communication interface, transmitter + receiver	Connector M9
Type of electrical connection	Connector M9
Type of plug-in contact, communication interface	Female (socket)
Voltage type	DC
With time function	-

OPTICAL FEATURES

Light source	Laser diode, red light
Wavelength of the sensor	670 nm
Resolution	16 µm
Light beam form	Line
Filter	Interference filter
Aperture length	48 mm
Line sensor	+
Laser class	Class 1

OTHER FEATURES

Scope of delivery of the one-way system	Transmitter
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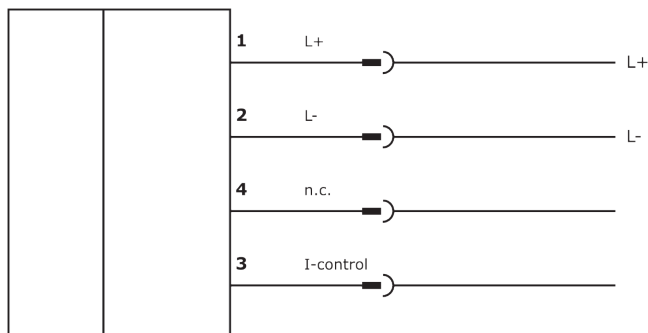
Other

Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.42kg
Tariff code	85365019

Classification

ipf product group	165
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.