IPF ELECTRONIC

Data sheet OS126003 • Subject to alteration! Version: 26.10.2021

OS126003
HIGH PERFORMANCE LIGHT BARRIERS • THROUGH-BEAM SENSORS TRANSMITTERS

High performance light barrier, transmitter, M12x1 45long, Normal power (40mW), 12°, Anschluss an Verstärker, Cable 15m PVC, IP67, Brass Nickel-plated+Plastic

MECHANICAL FEATURES

Ambient temperature	-25 °C ... 60 °C
Cable length	15 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Material of cable sheath	PVC
Material of optical surface	Plastic
Number of cores	2
Sensor length	45 mm
Shock resistance	30 g
Storage temperature	-40 °C ... 80 °C
Thread length	26 mm
Thread pitch	1 mm
Thread size, metric	12
Version	Through-beam sensor transmitter
Vibration resistance	55 Hz
Wire cross section	0.34 mm²

ELECTRICAL FEATURES

Connection to amplifier	+
Suitable for safety functions	-
Type of electrical connection	Cable
Type of input voltage	DC

OPTICAL FEATURES

Angle of beam spread	12 °
Light source	Infrared light
Wavelength of the sensor	880 nm
Transmitting power	Normal power (40mW)
Light beam form	Point

OTHER FEATURES

Scope of delivery of the one-way system	Transmitter

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Other

Packaging dimensions	102.0mm x 51.0mm x 183.0mm
Shipping weight	0.38kg
Tariff code	85365019

Classification

ipf product group	101
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

RD — red — L+ ——————— L+

BK — black — L- ——————— L-
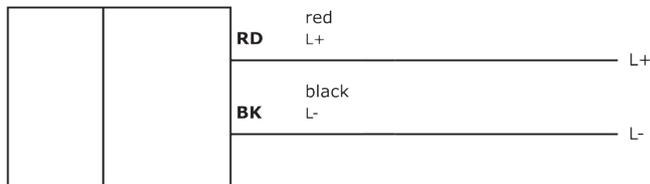
Dimensional drawing

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.