

OYQ30103

OPTICAL SENSORS • THROUGH-BEAM SENSORS

sensor optical, Light barrier, 10x3,5x14mm, Sn: 1m, 12-24V DC, PNP NO (NO), Cable 2m PVC, IP67, Plastic PET+Polyalylate, Polarity free red light



MECHANICAL FEATURES

Ambient temperature	-25 °C ... 55 °C
Cable length	2 m
Degree of protection (IP)	IP67
Design	Cuboid
Housing material	Plastic PET
Material of cable sheath	PVC
Material of optical surface	Polyalylate
Number of cores	3
Sensor height	10 mm
Sensor length	3.5 mm
Sensor width	14.5 mm
Shock resistance	50 g
Storage temperature	-30 °C ... 70 °C
Version	Light barrier
Vibration resistance	500 Hz
Volume	Small
Wire cross section	0.1 mm ²

ELECTRICAL FEATURES

Connection to amplifier	-
Decay time	0.5 ms
Measuring range	1 m
No-load current, receiver	15 mA
No-load current, transmitter	10 mA
Operating voltage	12 V ... 24 V
Rated switching current	50 mA
Rated switching distance	1000 mm
Relative repeat accuracy	50 µm
Residual ripple	10 %
Response time	0.5 ms
Reverse polarity protection	+
Scanning function	Dark switching
Short-circuit protection	+

ELECTRICAL FEATURES

Suitable for safety functions	-
Switching frequency	1000 Hz
Type of electrical connection	Cable
Type of input voltage	DC
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With LED display (functional reserve)	+
With LED display (signal)	+
With time function	-

OPTICAL FEATURES

Light source	Polarity free red light
Wavelength of the sensor	680 nm
Light beam form	Point

OTHER FEATURES

Scope of delivery of the one-way system	Transmitter and receiver
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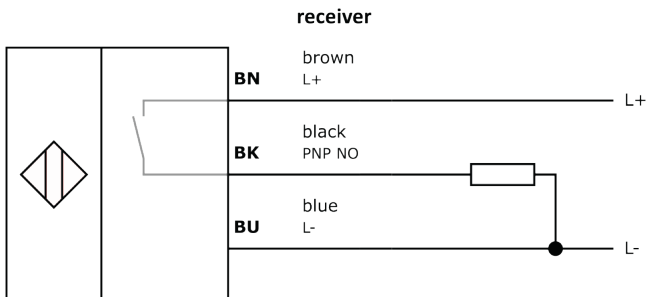
Other

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

Classification

ipf product group	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



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