OY380523

OPTICAL SENSORS • LUMINESCENCE SENSORS

sensor optical, luminescence, 48x38x15mm, Blue light, Sn: 300, 10-30V DC, PNP/NPN NC/NO, M12 connector, 5-pin 5pin, IP67, Metal+Glass, 1.5kHz, Manual adjustment

MECHANICAL FEATURES

Ambient temperature	-20 °C ... 60 °C
Degree of protection (IP)	IP67
Design	Cuboid
Housing material	Metal
Material of optical surface	Glass
Sensor height	48 mm
Sensor length	38 mm
Sensor width	15 mm
With fiber optics connection	-
With interchangeable lens	-

ELECTRICAL FEATURES

Analog output 0 mA ... 20 mA	-
Analog output 0 V ... 10 V	-
Analog output -10 V ... +10 V	-
Analog output 4 mA ... 20 mA	-
Equipment protection class	Protection class 2
No-load current	35 mA
Number of pins	5
Operating voltage	10 V ... 30 V
Pulse length	10 µs
Rated switching current	100 mA
Readiness delay	100 ms
Reverse polarity protection	+
Sensing range (MAX)	300 mm
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	1500 Hz
Type of electrical connection	M12 connector, 5-pin
Type of frequency band of the receiving spectrum	Blue
Type of lamp	UV LED
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP/NPN

ELECTRICAL FEATURES

Voltage type	DC
With blanking function	-
With LED display	+
With time function	-

OPTICAL FEATURES

Light source	Blue light
Light spot	380 mm²
Nominal sensing range	300 mm
Optical performance	0.75 mW
Luminescence detection	All visible luminescence

OTHER FEATURES

Average nominal service life	100000 h

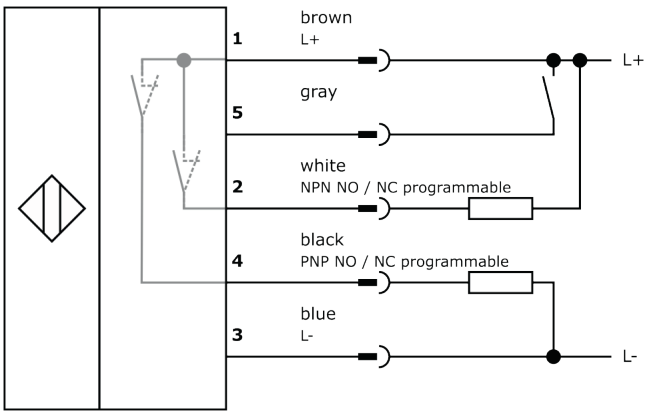
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.09kg
Tariff code	85365019

Classification

ipf product group	102
eClass 8.0	27270908
eClass 9.0	27270908
eClass 9.1	27270908
ETIM-5.0	EC001822
ETIM-6.0	EC001822
ETIM-7.0	EC001822

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.