

OT330571
OPTICAL SENSORS • DIFFUSE REFLECTION SENSORS WITH BACKGROUND SUPPRESSION

sensor optical, diffuse-reflection sensor, 39x23x13mm, Sn: 30-200, 10-30V DC, 1x PNP/NPN Push-pull, IO-Link, Connector M8 4pin, IP67, Plastic ASA+PMMA, 1kHz, Background suppression, Polarity free red light, Point, Teach-In


MECHANICAL FEATURES

Ambient temperature	-25 °C ... 60 °C
Degree of protection (IP)	IP67
Design	Cuboid
Housing material	Plastic ASA
Material of optical surface	PMMA
Reflector included in the scope of delivery	-
Sensor height	39.1 mm
Sensor length	23 mm
Sensor width	12.9 mm
Volume	Small

ELECTRICAL FEATURES

Adjustment range	30 mm ... 200 mm
Analog output 0 mA ... 20 mA	-
Analog output 0 V ... 10 V	-
Analog output -10 V ... +10 V	-
Analog output 4 mA ... 20 mA	-
Decay time	0.5 ms
Interference suppression	+
IO-Link compatible	+
Max. switching distance	200 mm
Min. switching distance	30 mm
No-load current	30 mA
Number of pins	4
Number of switching outputs	1
Operating voltage	10 V ... 30 V
Rated switching current	100 mA
Rated switching distance	200 mm
Response time	0.5 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Sensing range	30 mm ... 200 mm
Setting procedure	Teach-In

ELECTRICAL FEATURES

Short-circuit protection

+

Switching frequency

1000 Hz

Type of electrical connection

Connector M8

Type of switching function

Push-pull

Type of switching output

PNP/NPN

Voltage drop

3 V

Voltage type

DC

With LED display

+

With other analog output

-

With time function

-

OPTICAL FEATURES

Light source

Polarity free red light

Wavelength of the sensor

630 nm

Triangulation

Background suppression

Light beam form

Point

Background suppression

+

Small light beam diameter

+

Other

Packaging dimensions

75.0mm x 17.0mm x 95.0mm

Shipping weight

0.02kg

Tariff code

85365019

Classification

ipf product group

100

eClass 8.0

27270904

eClass 9.0

27270904

eClass 9.1

27270904

ETIM-5.0

EC002719

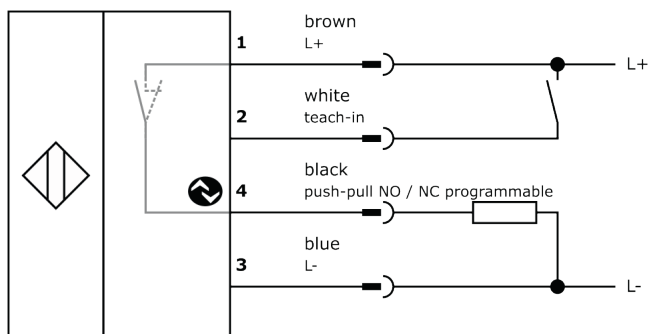
ETIM-6.0

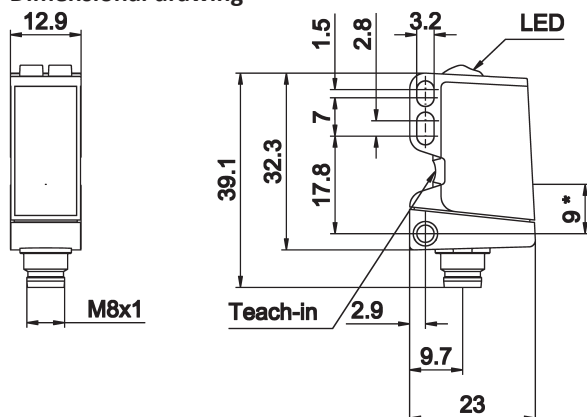
EC002719

ETIM-7.0

EC002719

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.