

PT98A841

LASER SENSORS • DIFFUSE REFLECTION SENSORS WITH INTENSITY DIFFERENTIATION

sensor laser, diffuse-reflection sensor, 34x25x11mm, Sn: 30-1000, Anschluss an Verstärker, Cable with connector, IP40, PBT, Laser diode, red light, Line, Manual adjustment, RS232



MECHANICAL FEATURES

Ambient temperature	-10 °C ... 55 °C
Degree of protection (IP)	IP40
Design	Cuboid
Housing material	PBT
Number of cores	2
Reflector included in the scope of delivery	-
Sensor height	33.5 mm
Sensor length	25 mm
Sensor width	11.2 mm
Storage temperature	-20 °C ... 70 °C
Volume	Small
With interchangeable lens	-

ELECTRICAL FEATURES

Alarm output	-
Equipment protection class	Protection class 3
High repeat accuracy	-
Interference suppression	-
Max. switching distance	1000 mm
Pre-failure message	-
Sensing range	30 mm ... 1000 mm
Setting procedure	Manual adjustment
Suitable for safety functions	-
Type of electrical connection	Cable with connector
With communication interface, RS-232	+
With LED display	+
With monitoring function of downstream devices	-
With other analog output	-
With restart lock	-
With time function	-

OPTICAL FEATURES

Light source	Laser diode, red light
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OPTICAL FEATURES

Wavelength of the sensor	655 nm
Light exit	Axial
Light beam form	Line
Small light beam diameter	-
Line scanner	-
Laser class	Class 2

OTHER FEATURES

Feeding technology	+
For gloss queries	-
Is line scan camera	-

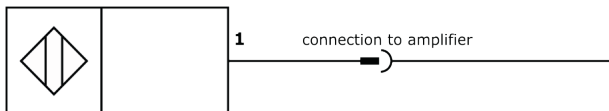
Other

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

Classification

ipf product group	700
eClass 8.0	27270801
eClass 9.0	27270801
eClass 9.1	27270801
ETIM-5.0	EC001821
ETIM-6.0	EC001821
ETIM-7.0	EC001821

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.

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