

LT202600

Accessories • Infrared measurement (temperature)

Diffuse reflection sensor, 2m, head: stainless steel Ø8, axial light exit, fiber optics+silicone, -0-250°C

including Sealing ring



Photoconductors in conjunction with the appropriate fiber optics amplifier are contactless and wear-free position switches that can also be used in harsh environmental conditions. They detect objects regardless of their properties (e.g. shape, color, surface structure, material). As the photoconductive ends or heads have small dimensions and the fiber optics are also flexible, object detection in hard-to-reach places can be solved very elegantly. Fiber optics can be used without special precautions in potentially explosive areas and in zones with electrical and/or magnetic fields (high-voltage systems, electrical welding equipment), as their function is not impaired by this. Fiber optics are available in versions to implement the function as a through-beam light barrier or diffuse reflection sensor.

Electrical features

Bending section of the sensing head	0 mm
Bending angle of the sensing head	0 °
Short-circuit protection	No
Reverse polarity protection	No

Mechanical features

Design	Cylinder plain
Sensing head diameter 1	8
Fiber diameter	8 mm
Sensing head diameter	8 mm
Number of fibers	1
Length	2000 mm
Sheathing material	Silicone
Fiber optics core material	Glass
Sensing head material	Stainless steel
Ejection control	Yes
Strong vibration / motion	Yes
Ambient temperature	-0 - 250 °C

Optical features

Light source	Infrared light
Light exit	axial

Other features

Feeding technology	Yes
Version	Diffuse reflection sensors infrared sensors
ardTE00_Anwendungen	Stanzwerkzeuge starke Verschmutzung

Classification

ETIM 8	EC002651 Fiber optic sensor/amplifier
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More

IPF Product Group	150 glass fibers
packaging dimensions	149 x 124 x 28 mm
gross weight	250 g
Customs tariff number	90011090
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

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.