

LT060380

FIBER OPTIC SENSORS • FIBER OPTICS COLOR RECOGNITION

fiber optic diffuse-reflection sensor, 0.6m, head: Stainless steel
24long Ø4.5 Ø6.6, Light exit Axial, conductor: Glassfiber+Silicone,
end piece: M18x1 Plastic, -40-180°C



MECHANICAL FEATURES

Ambient temperature	-40 °C ... 180 °C
Bendable	-
Design	Cylinder plain
Ejection control	+
End piece diameter	22 mm
End piece length	35 mm
End piece material	Plastic
End piece thread pitch	1 mm
Fiber diameter	2.5 mm
Fiber optic cable diameter	5.8
Fiber optic with bendable head	-
Fiber optic with small bending radius	-
Fiber optics core material	Glass
Heavy soiling	+
Increased ambient temperature ≤ 180°C	+
Increased ambient temperature ≤ 300°C	-
Light exit diameter	2.5
Metric thread size of end piece	18 mm
Number of fibers	1
Overall length	600 mm
Punching tools	+
Sensing head diameter	4.5 mm
Sensing head diameter 1	4.5
Sensing head diameter 2	6.6
Sensing head material	Stainless steel
Sheathing material	Silicone
Strong vibration / motion	+
Type of fiber	Multi
Type of mechanical connection	Screw connection M18
Version	Diffuse reflection sensor-color sensors

ELECTRICAL FEATURES

Bending angle of the sensing head	0 °
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ELECTRICAL FEATURES

Bending section of the sensing head	0 mm
Light exit	Axial
Reverse polarity protection	-
Sensing head length	24 mm
Setting via teach-in	-
Short-circuit protection	-
Time function	-
With LED display	-

OPTICAL FEATURES

Fiber optic for attachment optics	-
Fiber optic with linear light beam	-
Fiber optic with coaxial structure	-

OTHER FEATURES

Feeding technology	+
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Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.06kg
Tariff code	90011090

Classification

ipf product group	154
eClass 8.0	27270905
eClass 9.0	27270905
eClass 9.1	27270905
ETIM-5.0	EC002651
ETIM-6.0	EC002651
ETIM-7.0	EC002651

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.