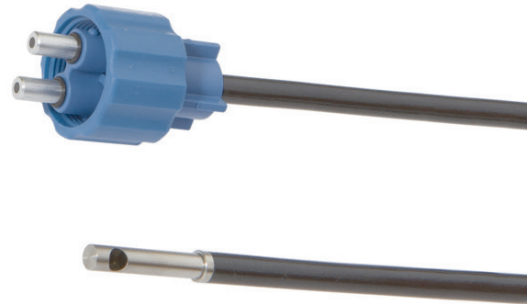


## LTSI0321

### ACCESSORIES • FIBER OPTICS

Fiber optics in combination with the appropriate fiber optic amplifier function as contactless and wear-free position switches that can also be used in harsh environmental conditions. They detect objects independent of their characteristics (e.g., shape, color, surface structure, material). Because the ends and heads of the fiber optics have small dimensions and the fiber optics are flexible, very elegant solutions can be created for detecting objects in places that are difficult to access. Fiber optics can be used without special precautions in potentially explosive areas and in zones with electrical and/or magnetic fields (high-voltage installations, electrical welding equipment) as their function is not thereby affected. Fiber optics are available in versions for implementing the function as through-beam sensor or diffuse reflection sensor.



#### MECHANICAL DATA

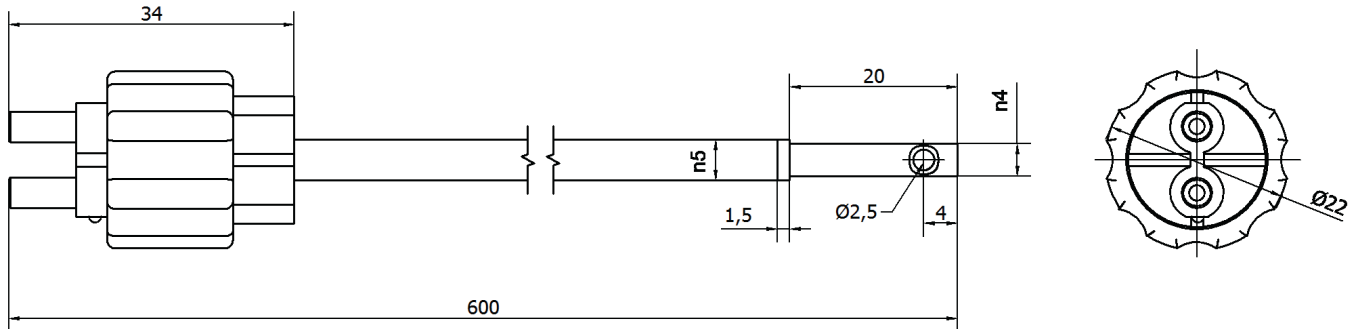
Ambient temperature	-20 °C ... 80 °C
Bendable	Yes
Bending radius (fixed)	10 mm
Bending radius (flexible)	10 mm
Ejection control	Yes
End piece length	21.5 mm
Fiber diameter	2.5 mm
Fiber optics core material	Glass
Housing design	Cylinder plain
Material of cable sheath	PVC
Number of fibers	1
Overall length	600 mm
Punching tools	Yes
Sensing head diameter	4 mm
Type of mechanical connection	Screw connection M18
Version	Diffuse reflection sensor-color sensors

#### ELECTRICAL DATA

Analogue output 0 mA ... 20 mA	No
Analogue output 0 V ... 10 V	No
Analogue output -10 V ... +10 V	No
Analogue output 4 mA ... 20 mA	No
Light exit	Lateral
Sensing head length	21.5 mm
With blanking function	No

#### OTHER DATA

Feeding technology	Yes
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**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!