



S5

952051690

S5-5-T1-32
TUBULAR SENSORS

OVERVIEW

- Wide versatility of optic functions and connections
- High operating distances for all functions
- Models with trimmer adjustment and stability LED
- Rugged and impermeable plastic housing

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	800mm
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Sensitivity adjustment	Trimmer
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Application

Function Principle	Polarized retroreflective for clear object
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Description	Tubular M18 - axial optic
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Functions	Polarized retroreflective for clear object
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Outputs

Output type	NPN/PNP - Dark/Light sel. L/D
Output Function	L/D
Response time	1

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 30\text{mA}$
Load current	$\leq 100\text{mA}$
Output voltage drop	$\leq 2,5\text{V}@I_{\text{load}}=100\text{mA}$
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Infrared
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	$\text{Ø}18 \times 77$
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Housing Material	Plastic - PBT / PMMA
Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 25°C...+70°C
Material	
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus
Shocks and vibrations	0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)

Accessories

Supplied Accessories	nuts M18 x 1
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Generical Data

Dimensions	M18 x 1 /L=77
Operating Temperature	- 25°C...+ 55°C (Without freeze)
Mechanical Protection	IP67

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