

S15

952301091

S15-PA-2-F00-NK

PLASTIC AND STAINLESS STEEL TUBULAR M18
PHOTOELECTRIC SENSORS EVERY ENVIRONMENT



OVERVIEW

- Short case models for cost and space savings
- Plastic and stainless steel case with IP69K protection
- All optic functions at optimal operating distances
- Models with fixed settings or adjustment trimmer
- Cable, M12 connector and pig-tail models

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	20m
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Sensitivity adjustment	n/a
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Application

Function Principle	Through beam receiver
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Description	Tubular M18 - axial optic
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Functions	Through beam receiver
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Outputs

Output type	NPN L/D Selectable
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Output Function	L/D Selectable
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Response time	2
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Electrical data

Operating Voltage	12...30VDC
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No-Load supply current	$\leq 25\text{mA}$
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Load current	$\leq 100\text{mA}$
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Output voltage drop	$\leq 2\text{V}@I_{\text{load}}=100\text{mA}$
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LED indicators	Yellow (output state) green (stability)
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Short-circuit protection	YES
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Reverse Polarity Protection	Yes
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Emission	n/a
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Interference to external light	according to EN 60947-5-2 : 2020
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Impulsive Overvoltage Protection	Yes
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Insulation resistance	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
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Contact resistance	500 Vac 1 min., between electronics and housing
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Mechanical data

Dimensions	Ø18x45
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Housing Material	Plastic - PBT / PMMA
Connections	2m cable
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=45
Operating Temperature	- 25°C...+ 55°C (Without freeze)
Mechanical Protection	IP67

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