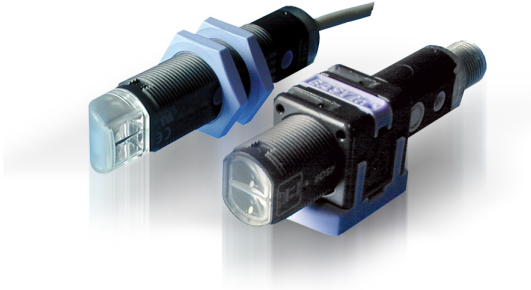


S51



952701291

S51-PA-5-C10-PK

**EXTENDED RANGE OF STANDARD “ONE FOR ALL”
PHOTOELECTRIC TUBULAR M18 SENSORS**

OVERVIEW

- All optic functions and LASER models
- M18 flat plastic with universal mounting
- Available in M18 metal housing
- Axial or radial optics, cable or connector
- Standard 4-wire NO-NC NPN or PNP output

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	100mm
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Sensitivity adjustment	n/a
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Application

Function Principle	Diffuse beam
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Description	Tubular M18 - axial optic
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Functions	Diffuse beam
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Outputs

Output type	PNP L/D selectable
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Output Function	L/D selectable
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Response time	1
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Electrical data

Operating Voltage	10...30VDC
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No-Load supply current	$\leq 35\text{mA}$
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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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Short-circuit protection	YES
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Reverse Polarity Protection	Yes
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Emission	LED Red
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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	Ø18x57
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Housing Material	Plastic PBT / PMMA
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Connections	M12 plug
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Active Head Material	PMMA
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Storage temperature	- 25°C...+70°C
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Material	
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Diameter/Dimension	M18
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Test/Approvals

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

Supplied Accessories	nuts M18 x 1
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Generical Data

Dimensions	M18 x 1 /L=57
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Operating Temperature	- 25°C...+ 55°C (Without freeze)
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Mechanical Protection	IP67
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