

S5N

952701272



S5N-PA-5-B01-PK

EXTENDED RANGE OF STANDARD "ONE FOR ALL"
PHOTOELECTRIC TUBULAR M18 SENSORS

OVERVIEW

- All optic functions
- Improved EMI immunity
- Improved ambient light immunity
- Improved laser safety level
- M18 flat plastic with universal mounting
- Short plastic housing models
- Available in M18 metal housing
- Stainless steel housing models
- Axial or radial optics, cable or connector
- Standard 4-wire NO-NC NPN or PNP output
- M12 pigtail models available
- IO-Link connectivity V1.1 with double channel

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	2.5m
--------------------------	------

Sensitivity adjustment	Trimmer
------------------------	---------

Application

Function Principle	Polarized retroreflective
--------------------	---------------------------

Description	Tubular M18 - axial optic
Optic position	Axial
Functions	Polarized retroreflective

Outputs

Output type	PNP L/D selectable
Output Function	L/D selectable
Response time	500 μ s

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 35 mA
Load current	≤ 100 mA
Leakage current	≤ 10 μ A
Output voltage drop	≤ 2 V@Iload=100mA
LED indicators	yellow OUTPUT LED, green STABILITY LED
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Red
Interference to external light	according to EN 60947-5-2 : 2020

Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	Ø18x67
Material	
Housing material	Plastic - PBT / PMMA
Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 25°C...+70°C
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus
EMC compatibility	EN 60947-5-2
Shocks and vibrations	0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)

Accessories

Supplied Accessories	nuts M18 x 1
----------------------	--------------

Generical Data

Dimensions	M18x67
------------	--------

Operating Temperature	- 25°C...+ 55°C (Without freeze)
-----------------------	----------------------------------

Mechanical Protection	IP67
-----------------------	------

**Datasensing
S.r.l.**

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

**date of
printing**

13/06/2026
05:58:20