

PS



PSC/AP-0E

Photo.Min,PNP-NO,M12 plug,Reflex
DC MINIATURIZED CUBIC PHOTOELECTRIC SENSORS

OVERVIEW

- Wide range of models: diffuse, retro-reflective, through-beam
- Extremely reduced dimensions
- High sensing distance
- Sensitivity adjustment
- Standard cable exit or M12 plug exit
- LED status indicator
- IP65 protection degree
- Complete protection against electrical damage



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	3m
Thermal drift of Sr	$\leq 10\% \text{ Sr}$
Repeat Accuracy	$\leq 5\%$
Sensitivity adjustment	Trimmer

Application	
Function Principle	Retroreflective
Optic position	Axial
Outputs	
Output type	PNP NO
Output Function	NO
Switching frequency	100Hz
Response time	5ms
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	$\leq 30\text{mA}$
Load current	$\leq 100\text{mA}$
Leakage current	$\leq 10\mu\text{A}$ @ Vmax
Output voltage drop	$\leq 1,2\text{V}$ @Iload=100mA
Max ripple content	$\leq 10\%$
LED indicators	red (output state)
Time delay before availability	$\leq 200\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes

Emission	LED Infrared (880nm)
Interference to external light	3000lux Incandescent Lamp, 10000lux

Mechanical data

Dimensions	15x54,5X26mm
Material	
Housing material	ABS
Weight	90g
Connections	M12 plug 90°
Active Head Material	PMMA
Operating temperature	- 25°C...+ 70°C (without freeze)
Diameter/Dimension	Cubic

Test/Approvals

Approvals	CE
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP65

Accessories

Supplied Accessories	ST07 mounting bracket and screws
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Generical Data

Dimensions

15x54,5X26mm

Operating Temperature

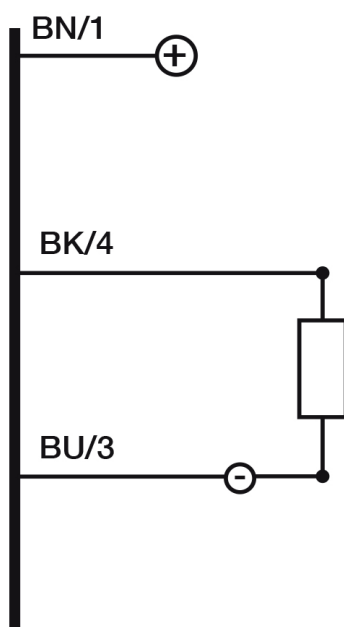
- 25°C...+ 70°C (Without freeze)

Mechanical Protection

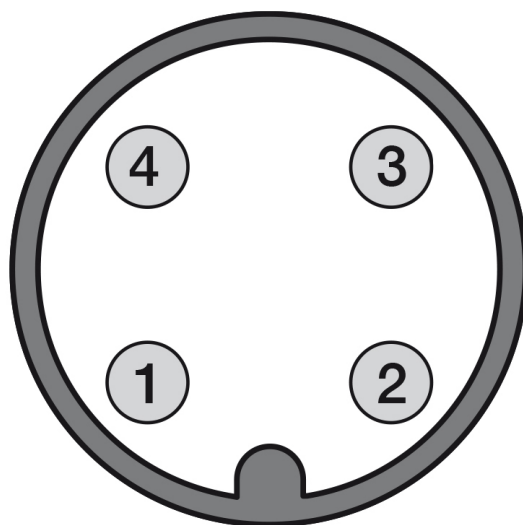
IP65

CONNECTIONS

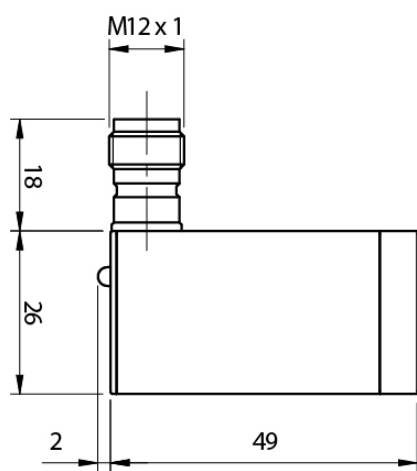
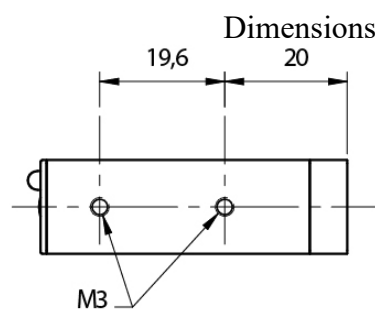
Eletrical diagram



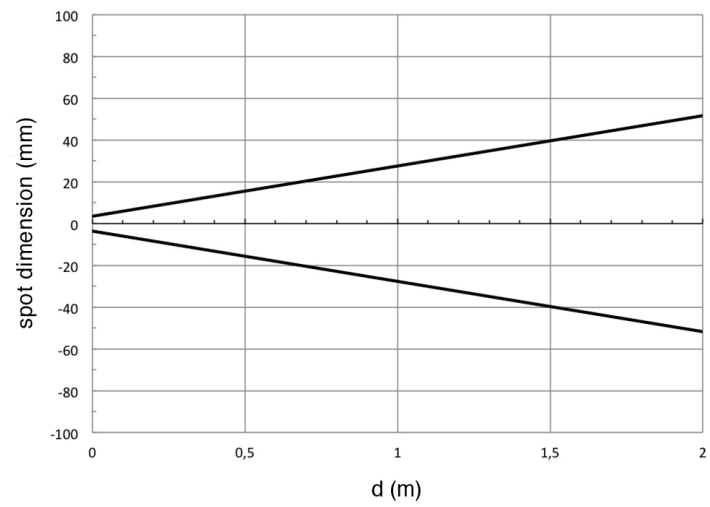
Connector



OTHERS



Response curves



**Datasensing
S.r.l.**

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

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