



SS-SP

SPP/0P-1E3X

Photo.M18,PNP-NO/NC,M12 plug,Reflex

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	4m
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%

Application

Function Principle	Polarized
Notes	On RL110 reflector
Optic position	Radial 90°

Outputs

Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	250Hz
Response time	2ms

Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (status output)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red (660nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Yes
Mechanical data	
Housing material	Nickel plated brass / PC plug
Connections	M12 plug
Active Head Material	PMMA

Tightening torque	25Nm
-------------------	------

Diameter/Dimension	M18
--------------------	-----

Test/Approvals

Approvals	CE cULus
-----------	----------

EMC compatibility	EN 60947-5-2
-------------------	--------------

Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
-----------------------	--

Accessories

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

Generical Data

Dimensions	M18 x 1 /L =75,7mm
------------	--------------------

Operating Temperature	- 25°C...+ 70°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**
10/08/2026
02:16:40