



SA

SAC/0N-0K

Photo.M18,NPN-NO/NC,M12 plug
90°,Reflex

M18 DC HIGH PERFORMANCES WITH REAR ADJUSTMENT

OVERVIEW

- Wide range of models: diffuse, retro-reflective, polarized and fixed-focus
- All models are available with sensitivity adjustment trimmer
- Double LED indicator (ON/OFF - supply)
- NO/NC selectable output
- IP65 protection degree
- Complete protection against electrical damage
- Wide range of plugs, accessories and reflectors available
- Approvals: CE



TECHNICAL FEATURES

Detection properties

Nominal sensing distance

6m

Thermal drift of Sr

10% Sr

Repeat Accuracy

5%

Sensitivity adjustment

Trimmer

Application

Function Principle

Retroreflex

Notes

On RL110 reflector

Optic position

Axial

Outputs

Output type

NPN L/D Selectable

Output Function

L/D Selectable

Switching frequency

1Khz

Response time

500μs

Electrical data

Operating Voltage

10...30VDC

No-Load supply current

≤ 30mA

Load current

≤100mA

Leakage current

≤10μA

Output voltage drop

≤2V@Iload=100mA

Max ripple content

≤10%

LED indicators

Green (powerON), Yellow (Status output)

Time delay before availability

≤200ms

Short-circuit protection

Yes

Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
Interference to external light	3.000lux (incandescent lamp), 10.000lux (sunlight)

Mechanical data

Dimensions	21,4mmx89,8mm
Housing material	PBT / Nylon plug
Weight	40g
Connections	M12 plug 90°
Active Head Material	PMMA
Tightening torque	1Nm
Operating temperature	- 25°C...+ 70° C (without freeze)
Diameter/Dimension	M18

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	IP67

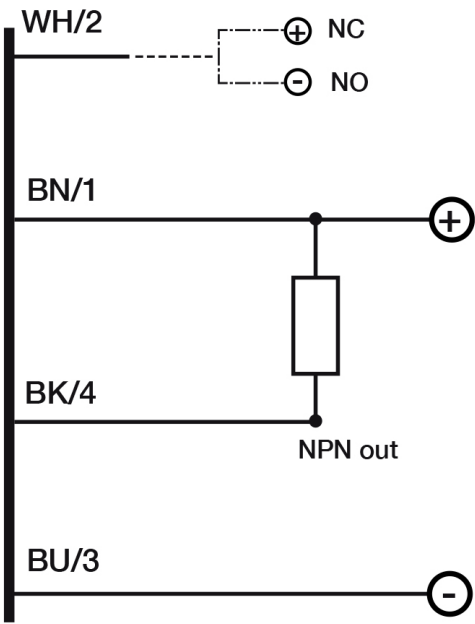
Accessories

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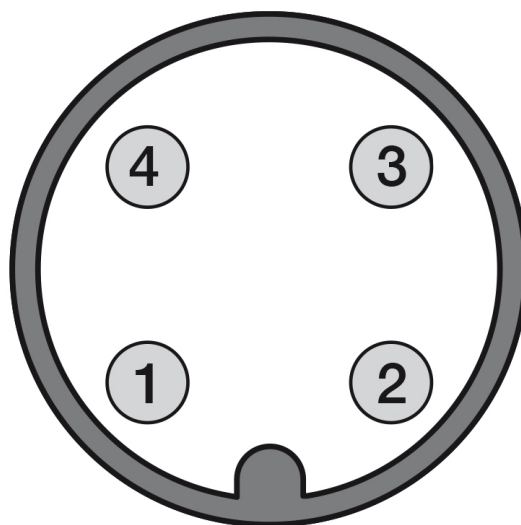
Supplied Accessories	Nuts M18 x 1
Generical Data	
Dimensions	21,4mmx89,8mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

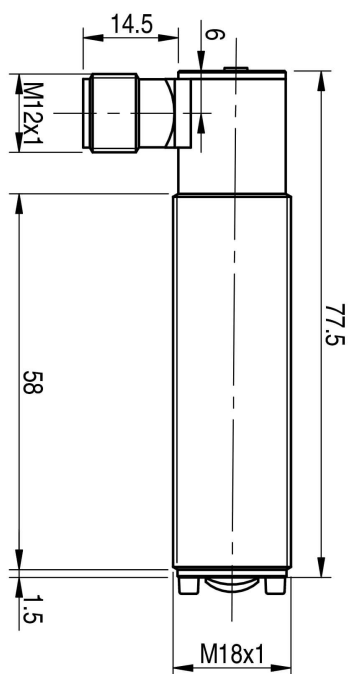


Connector

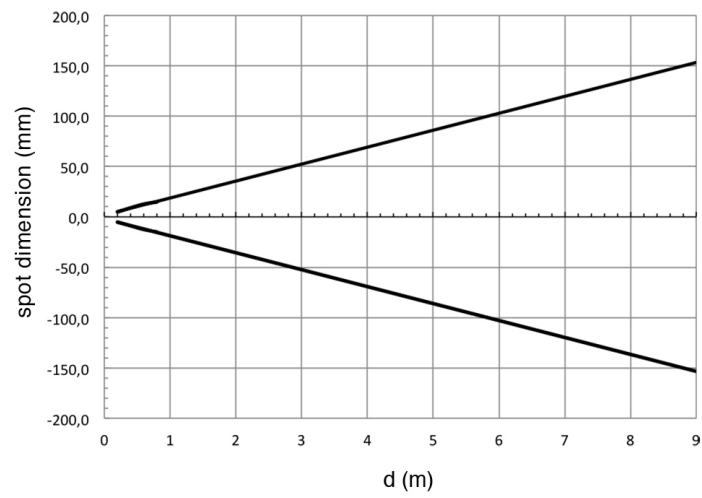


OTHERS

Dimensions



Response curves



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