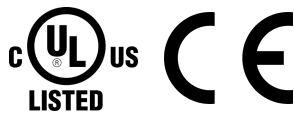


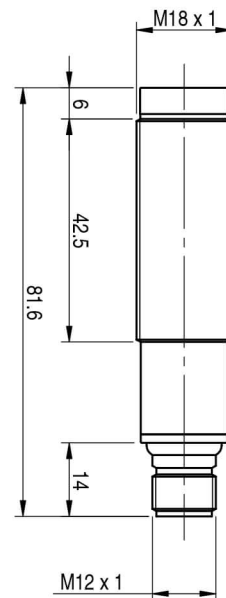


Indicative image



M18 PHOTOELECTRIC SENSORS DC

- Complete range of M18 sensors with 10...30 Vdc power supply
- Axial and radial optic with flat surface
- Retro-reflective models for transparent objects detection, with red emission IP67 protection degree
- Metallic or plastic housing
- Sensitivity adjustment available for all models
- Total protection against any type of electric damages
- Approvals: CE and cULus listed



Detection properties

Nominal sensing distance 20m

Thermal drift of Sr ≤10% Sr

Application

Function Principle Emitter

Emitter/Receiver Emitter

Optic position Axial

Electrical data

Operating Voltage 10...30Vdc

No-Load supply current ≤25mA

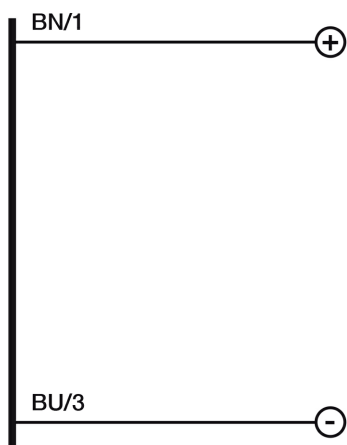
Max ripple content 10%

LED indicators Green (powerON)

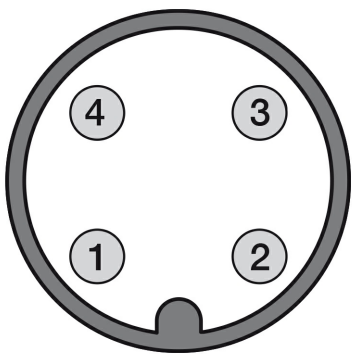
Time delay before availability ≤200ms

Reverse Polarity Protection	Polarity inversal, Impulsive voltage
Emission	Infrared (880 nm)
Mechanical data	
Dimensions	M18 x 1 / L =81,6mm
Weight	30g
Housing Material	PBT / PC plug
Connections	M12 plug
Active Head Material	PC
Tightening torque	1Nm
Operating temperature	- 25°C...+ 70° C (Without freeze)
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
Degree of protection	IP67
Accessories	
Supplied Accessories	nuts M18 x 1, screwdriver

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

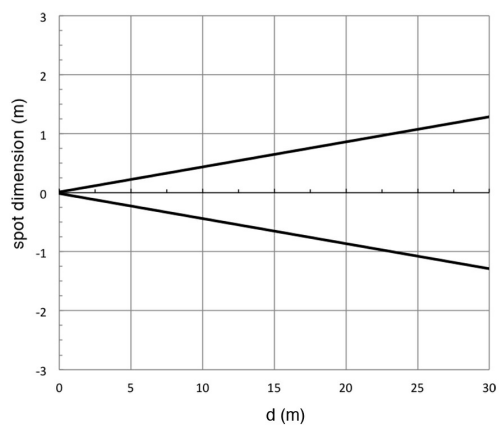


CONNECTOR

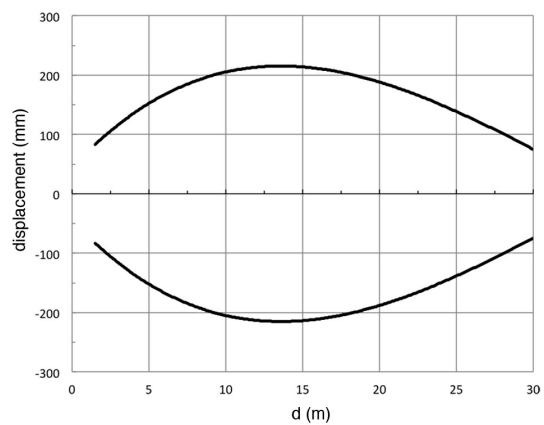


RESPONSE CURVES

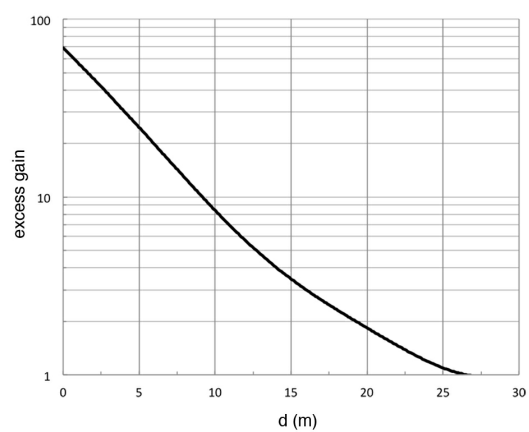
Dimensione Spot



Parallel offset



Excess of Earnings



ТЗОВ "НБК СЕНСОР"

м. Львів:

моб: 067 50 56 289

email: sehedaensor@gmail.com

м. Київ:

моб: 067 317 30 89

email: sensorkyiv@gmail.com

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NBK SOR