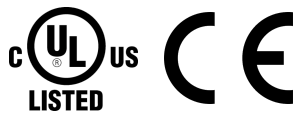


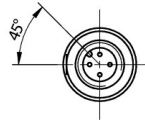
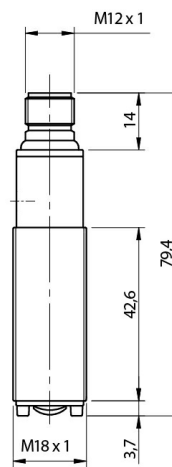


Indicative image



### M18 DC WITH LATERAL ADJUSTMENT

- Models with side sens. adjustment on axial and right angle optic
- LO/DO selectable output
- ATEX models, cat. 3, available on request
- LED status indicator for all versions
- Complete protection against electrical damages
- IP67 protection degree for all models
- Approvals: CE and cULus listed



### Detection properties

Nominal sensing distance	1000mm
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer

### Application

Function Principle	Diffuse reflection (long distance, >600mm)
Notes	white target 90% Kodak 400x400mm
Optic position	Axial

### Outputs

Output type	PNP
Output Function	LO/DO
Switching frequency	250Hz

## Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	1,2V max. IL =100 mA
Max ripple content	10%
LED indicators	Yellow (output state)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Infrared (880 nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Yes

## Mechanical data

Dimensions	M18 x 1 / L =78mm
Weight	30g
Housing Material	PBT / PC plug
Connections	M12 plug
Active Head Material	PMMA
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

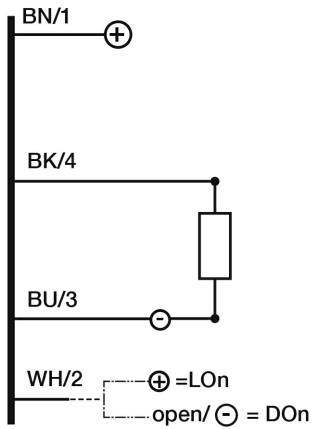
## Generical Data

Dimensions	M18 x 1 / L =78mm
Operating Temperature	- 25°C...+ 70° C (Without freeze)
Mechanical Protection	IP67

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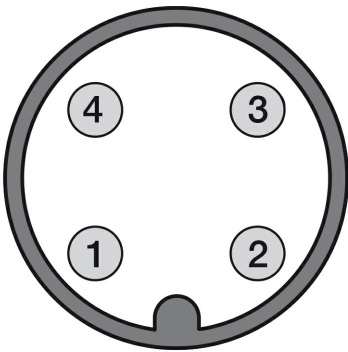
# ELECTRICAL DIAGRAMS OF THE CONNECTIONS

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## CONNECTOR

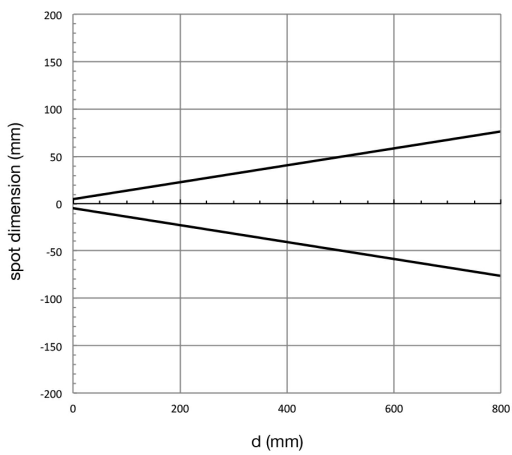
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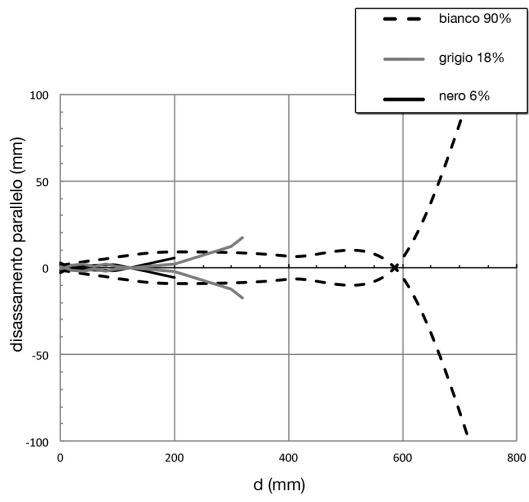
## RESPONSE CURVES

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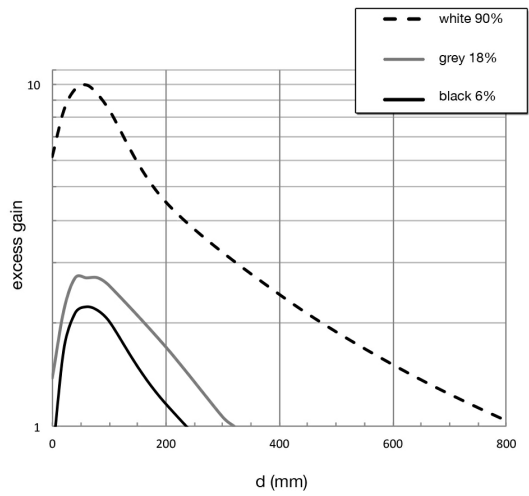
### Dimensione Spot



### Parallel offset



### Excess of Earnings



### Datasensing S.r.l.

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 E-mail [info@datasensing.com](mailto:info@datasensing.com)

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