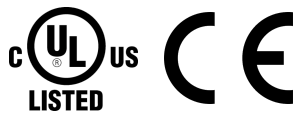


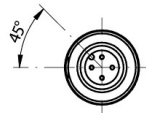
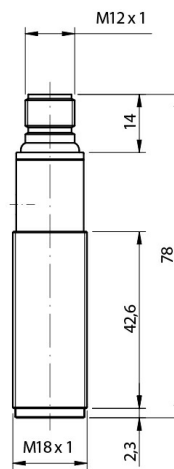


Indicative image



### 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	5m
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

### Application

Function Principle	Retroreflective
Notes	with RL100 retro reflector
Emitter/Receiver	Emitter/Receiver
Optic position	Axial

### Outputs

Output type	PNP
Output Function	LO/DO

Switching frequency 250Hz

#### Electrical data

Operating Voltage 10...30Vdc

No-Load supply current  $\leq 30\text{mA}$

Load current  $\leq 100\text{mA}$

Leakage current  $\leq 10\mu\text{A}$

Output voltage drop 1,2Vmax. IL =100 mA

Max ripple content 10%

LED indicators Yellow (output state)

Time delay before availability  $\leq 200\text{ms}$

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 x1 /L =78mm

Weight 100g

Housing Material Nickel plated brass / PC plug

Connections M12 plug

Active Head Material PMMA

Tightening torque 25Nm

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 x1

#### Generical Data

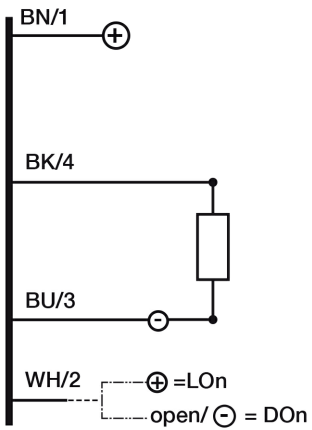
Dimensions M18 x1 /L =78mm

Operating Temperature - 25°C...+ 70° C (Without freeze)

Mechanical Protection IP67

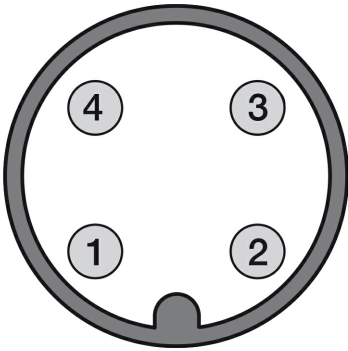
# ELECTRICAL DIAGRAMS OF THE CONNECTIONS

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# CONNECTOR

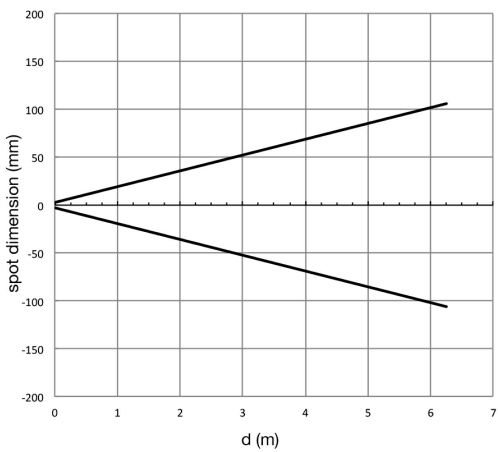
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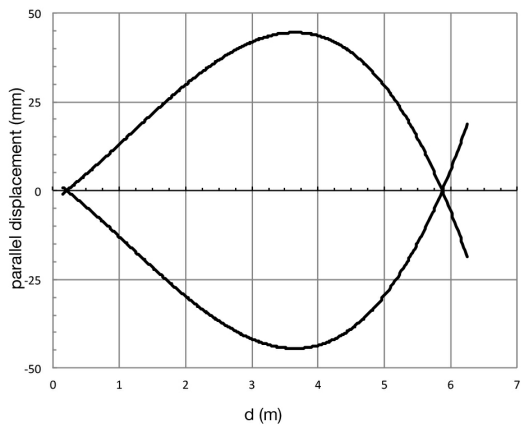
# RESPONSE CURVES

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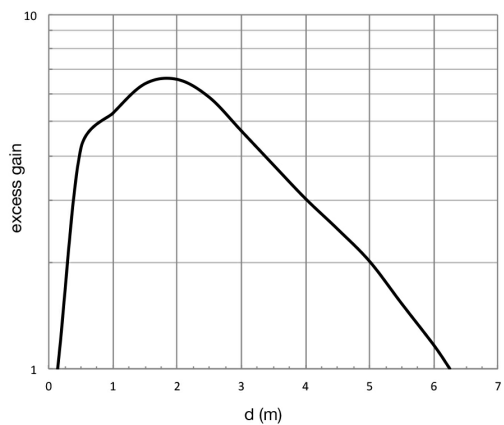
## Dimensione Spot



## Parallel offset



**Excess of Earnings**



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