



# LDLU+LDLV

## LDLV/0P-1K

Photo.M30,PNP-NO/NC,M12 plug 90°,UV  
SPECIAL PHOTOELECTRIC SENSORS M18 AND M30  
LUMINESCENCE SCANNER - DC

## OVERVIEW

- With white light emission and ultraviolet light emission
- Local and remote Teach-in function
- Multifunction LED status indicator
- LO/DO selectable outputs
- Delay selectable
- Complete protection against electrical damages
- IP65 protection degree
- Sensitivity adjustment
- Short response time (50  $\mu$ s)



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	30mm
Thermal drift of Sr	$\leq 10\%$
Spot dimension	3 x 1 mm @ 30mm

### Application

Function Principle	Luminescence
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#### Outputs

Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	400Hz
Response time	1,1 ms

#### Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 20\text{mA}$
Load current	$\leq 100\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 1,4\text{V}@I_{\text{load}}=100\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow (output status)
Time delay before availability	$\leq 200\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED UV
Interference to external light	3000 lux (incandescent lamp) 10000 lux (sunlight)

Impulsive Overvoltage Protection	Yes
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#### Mechanical data

Dimensions	M30
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Housing material	nickel plated brass
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Weight	400g
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Connections	M12 plug 90°
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Active Head Material	Glass
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Tightening torque	50Nm
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Operating temperature	-5°C ... +55°C (without freeze)
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#### Test/Approvals

Approvals	CE
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EMC compatibility	EN 60947-5-2
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Degree of protection	IP65
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#### Accessories

Supplied Accessories	nuts M30 x 1,5
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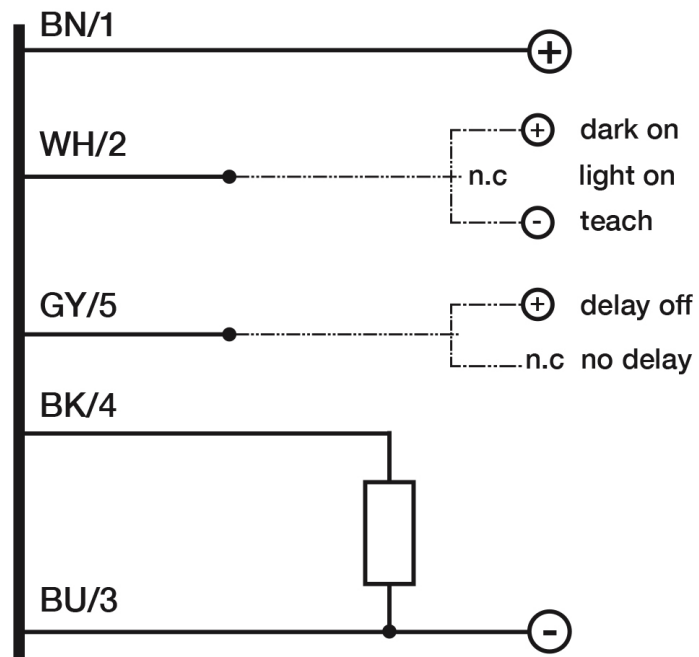
#### Generical Data

Dimensions	M30
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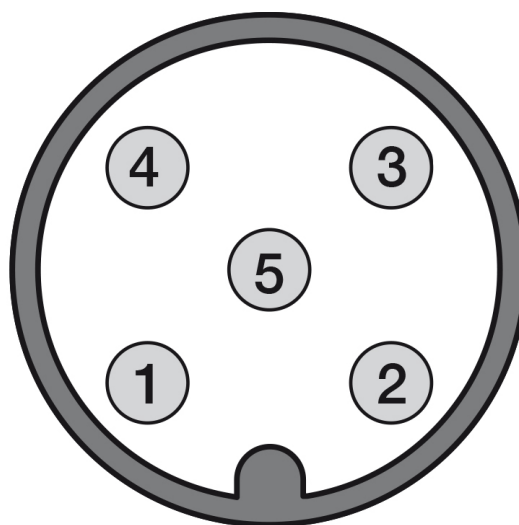
Operating Temperature	- 5°C...+ 55° C (Without freeze)
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# CONNECTIONS

Electrical diagram

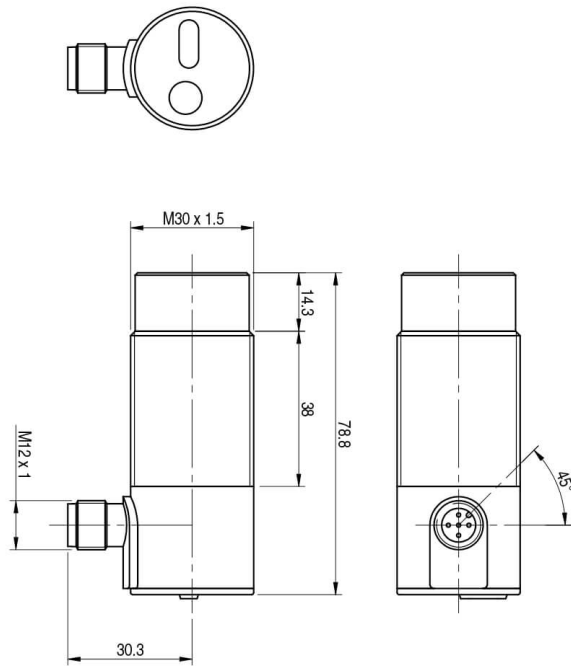


Connector



# OTHERS

## Dimensions



## Datasensing S.r.l.

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail  
info@datasensing.com

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