



# LDLV series

Special photoelectric sensors  
M30 luminescence scanner - DC



M30 luminescence scanner

## features

- Ultraviolet light emission
- Local and remote Teach-in function
- Multifunction LED status indicator
- LO/DO selectable outputs
- Delay off selectable
- Complete protection against electrical damages
- IP65 protection degree



## web contents



- Application notes
- Photos
- Catalogue / Manuals



## code description

LDLV / 0N - 1K

series	<b>LDL</b>	Ultraviolet light luminescence scanner
housing type	<b>V</b>	M30 housing
LO/DO	<b>0</b>	Selectable LO/DO
output	<b>N</b>	NPN output
	<b>P</b>	PNP output
housing material	<b>1</b>	Metallic housing
plug exit	<b>K</b>	Right-angle plug exit

## available models

description	NPN - LO/DO	PNP - LO/DO
right-angle plug cable exit	LDLV/0N-1K	LDLV/0P-1K

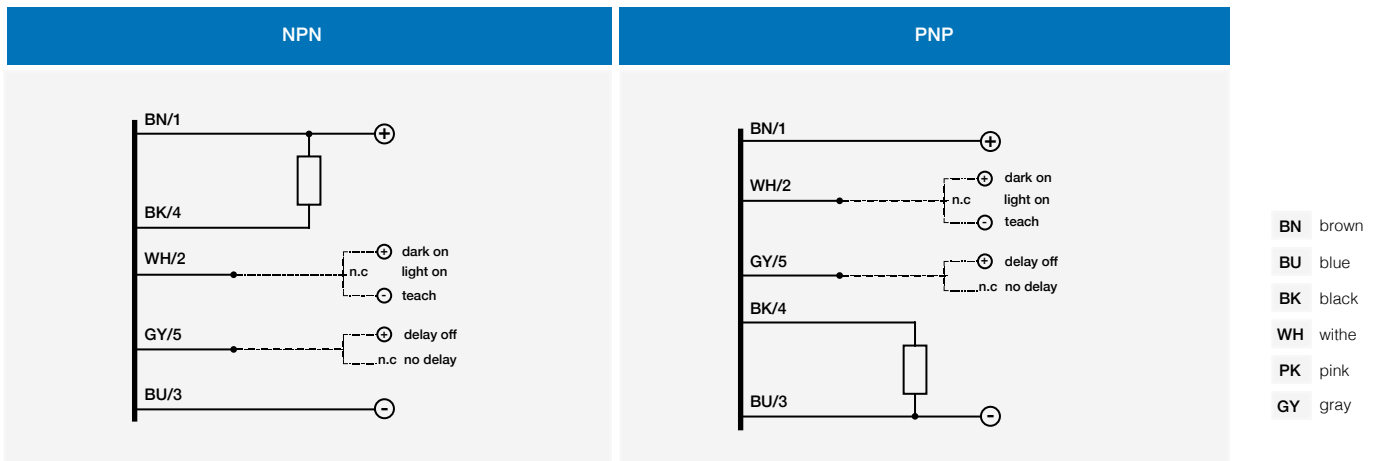
LDLV



	LDLV/**_**
nominal sensing distance <sup>(1)</sup>	30 mm
spot dimension	3x1 mm
operating voltage	10...30 Vdc
ripple	< 10 %
no-load supply current	20 mA
load current	100 mA
leakage current	< 10 µA
voltage drop	≤ 1,4 V max. IL = 100 mA
output type	NPN or PNP LO/DO selectable
switching frequency	400 Hz
response time	1,1 ms
time delay before availability	200 ms
power supply protections	polarity reversal, transient
output protection	short circuit (autoreset)
temperature range	-5°C...+55°C (without freeze)
EMC	in conformity with the EMC Directive according to EN 60947-5-2
temperature drift	10 %
interference to external light	3.000 lux (incandescent lamp), 10.000 lux (sunlight)
protection degree	IP65 (EN60529) <sup>(1)</sup>
LED indicators	yellow (output state) <sup>(2)</sup>
housing material	nickel-plated brass
cable exit material	polycarbonate
optical material	PMMA
tightening torque	100 Nm
weight (approximate)	400 g

<sup>(1)</sup> protection guaranteed only with plug cable well mounted  
<sup>(2)</sup> LED's functions are: output state, signal level, teach function

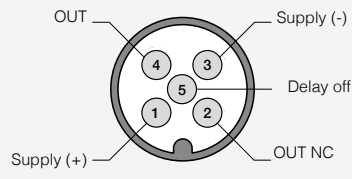
## electrical diagrams of the connections



In case both dark on and remote teach functions are necessary, connect a pull-up resistor of 2,2 kΩ between WH/2 and BN/1  
 NOTE: In case of combined load, resistive and capacitive, the maximum admissible capacity (C) is 0,2 µF for maximum output voltage and current.

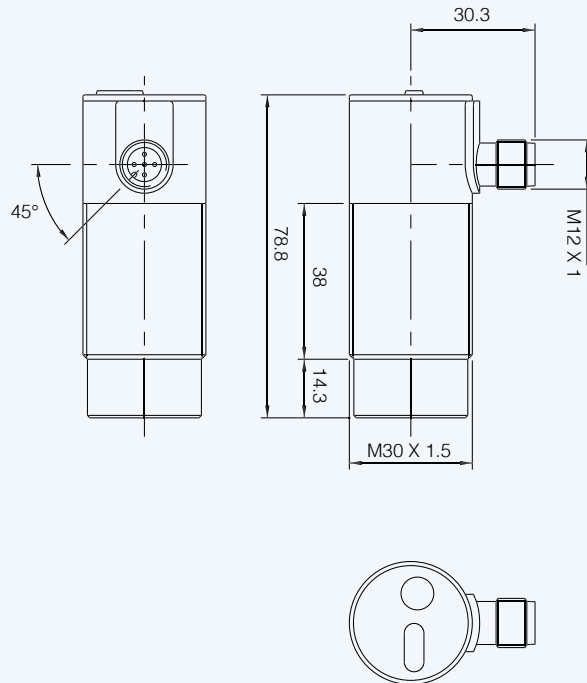


M12



dimensions (mm)

LDLV/\*\*\_\*\*



dimensions (mm)

accessories included

