



LDLU+LDLV

LDLU/0N-0K

Photo.M18,NPN-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 µs)



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	12mm (with STF-12) 25mm (with SFT-25)
Thermal drift of Sr	≤ 10%
Spot dimension	Ø 1mm (with STF-12) Ø 0,8mm (with SFT-25)

Application

Function Principle	Luminescence
Notes	white target Kodak 90% 100 x 100mm

Outputs

Output type	NPN L/D Selectable
Output Function	L/D Selectable
Switching frequency	10Khz
Response time	50 μs

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 40mA
Load current	≤100mA
Leakage current	≤ 10μA
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (output status) Green(powerON)
Time delay before availability	≤200ms
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

Mechanical data

Dimensions	M18
Housing Material	PBT
Connections	M12 plug 90°
Active Head Material	PMMA
Tightening torque	1Nm
Operating temperature	-5°C ... +55°C (without freeze)

Test/Approvals

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

Accessories

Supplied Accessories	nuts M18 x 1
Accessories to be ordered separately	Focalizer STF-12 Focalizer STF-25

Generical Data

Dimensions	M18
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Operating Temperature

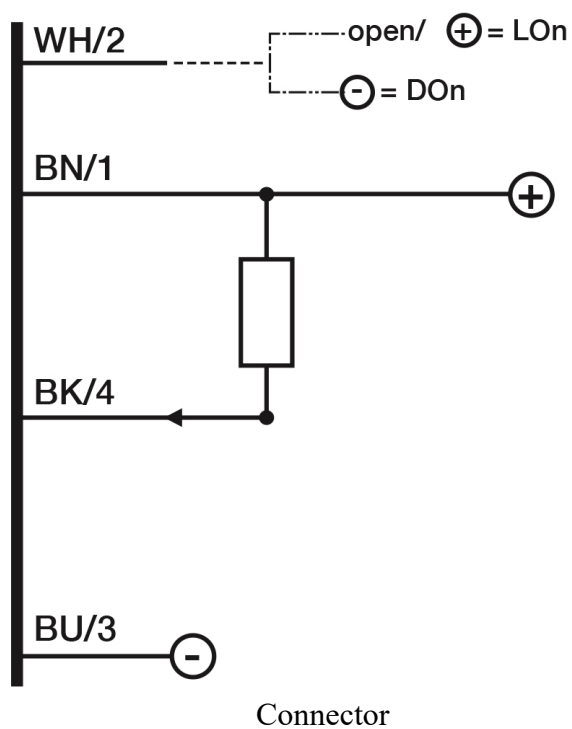
- 5°C...+ 55° C (Without freeze)

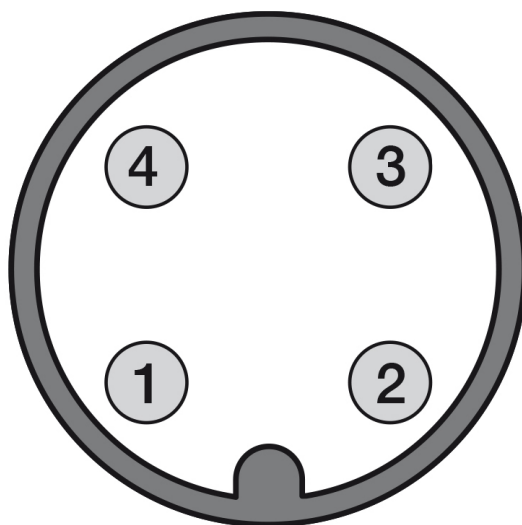
Mechanical Protection

IP65

CONNECTIONS

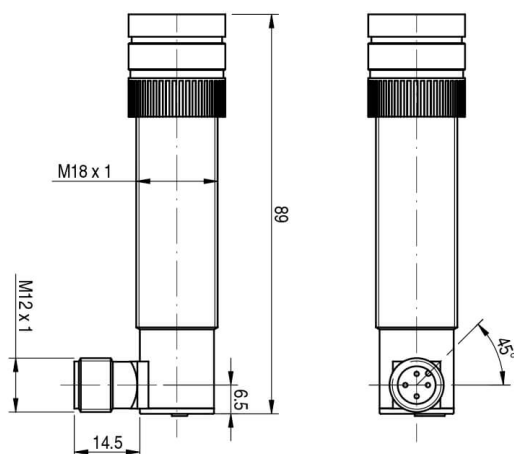
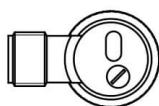
Eletrical diagram





OTHERS

Dimensions



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