LDLU/0N-0C

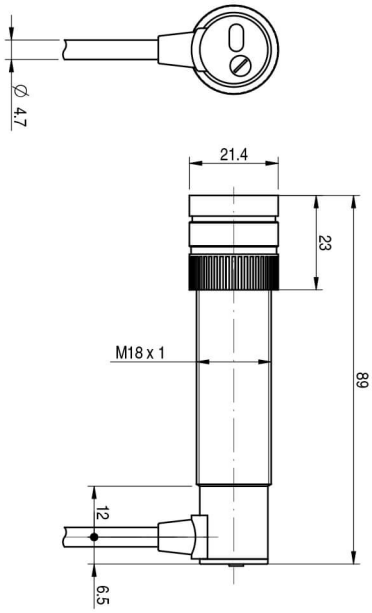
LDLU+LDLV



Indicative image

SPECIAL PHOTOELECTRIC SENSORS M18 AND M30
LUMINESCENCE SCANNER - DC

- 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)



Detection properties

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

Outputs

Output type	NPN
Output Function	LO/DO
Switching frequency	10 kHz
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 state) green (supply)
Time delay before availability	< 200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	UV
Interference to external light	3000 lux (incandescent lamp) 10000 lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M18
Housing Material	PBT
Connections	2m PVC cable - 90° Output
Active Head Material	PMMA
Tightening torque	1 Nm
Operating temperature	-5°C ... +55°C (without freeze)

Test/Approvals

Approvals	CE
EMC compatibility	Conforming with EMC directive according with EN60947-5-2
Degree of protection	IP65

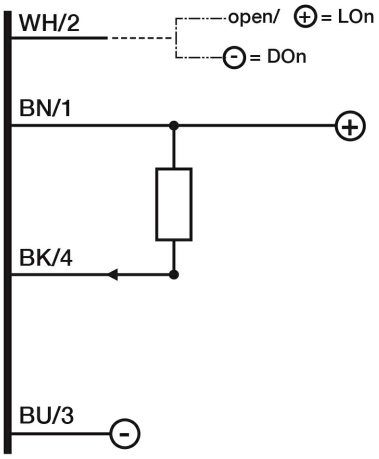
Accessories

Supplied Accessories	2 x nuts
Accessories to be ordered separately	Focalizer STF-12 Focalizer STF-25

Generical Data

Dimensions	M18
Operating Temperature	-5°C ... +55°C (without freeze)
Mechanical Protection	IP65

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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