



DG

DGR/DN-3A

Photo.d10,NPN-DO,Cable,Receiver
Ø 10 MM MINIATURIZED THROUGH-BEAM SENSORS

OVERVIEW

- Ø 10 mm plastic housing 41 mm length
- Ø 13 mm hole irreversible spring latch fixing
- LED status indicator receiver only
- Complete protection against electrical damages
- IP67 protection degree
- Nominal sensing distance (Sn): 2 m ExG. = 4
- Supply voltage 15...37 Vdc (10...30 Vdc for EA version)
- Approvals: CE



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	2m
Thermal drift of Sr	≤10%Sr
Sensitivity adjustment	No

Application

Function Principle	Receiver
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Notes	(EG=4)
Emitter/Receiver	Receiver
Optic position	Axial

Outputs

Output type	NPN Don
Output Function	Don
Switching frequency	40Hz
Response time	1,25ms

Electrical data

Operating Voltage	15...37VDC
No-Load supply current	≤ 10mA
Load current	≤30mA
Leakage current	≤10μA
Output voltage drop	≤2V@Iload=30mA
Max ripple content	≤10%
LED indicators	Yellow (Output status)
Time delay before availability	≤ 100ms
Short-circuit protection	Yes

Reverse Polarity Protection	Yes
Interference to external light	20.000lux
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M10x1/L=41mm
Housing material	PC housing / POM fixing ring / ABS cable exit
Weight	210g
Connections	5m PVC cable
Active Head Material	PC
Operating temperature	- 25°C...+ 70° C (without freeze)
Diameter/Dimension	Ø 10mm

Test/Approvals

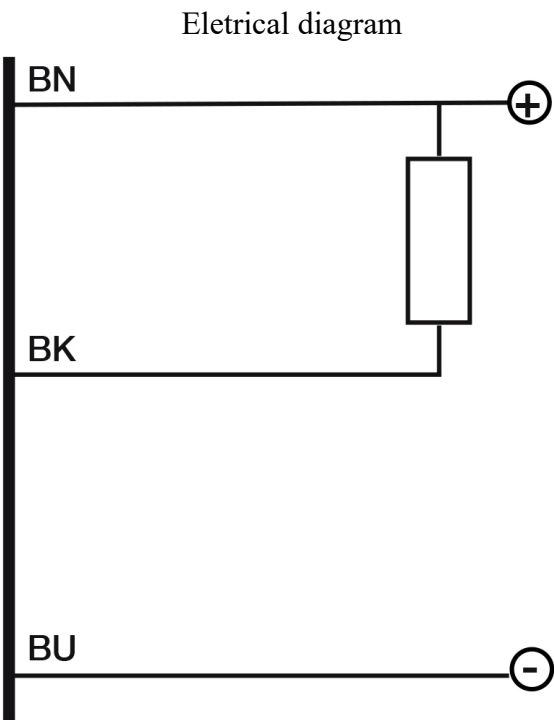
Approvals	CE
EMC compatibility	EN 60947-5-3
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Generical Data

Dimensions	M10x1/L=41mm

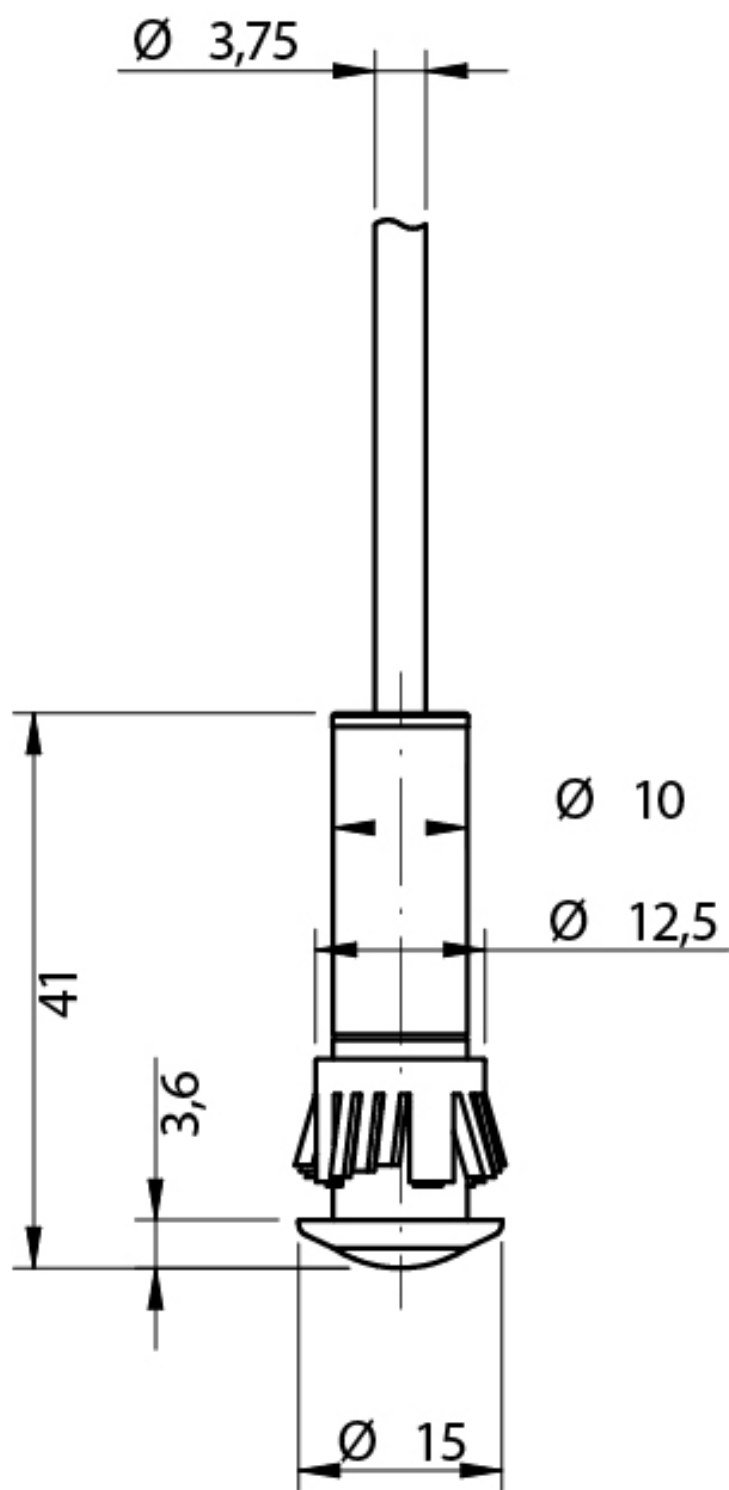
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

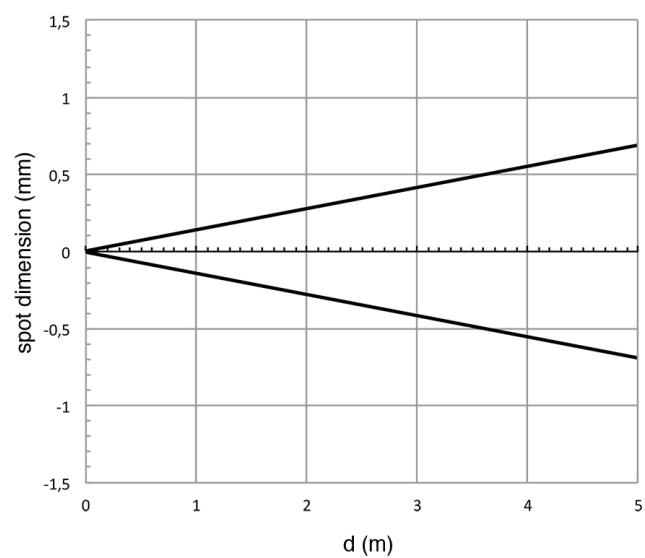


OTHERS

Dimensions



Response curves



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