



DG

DGR/DN-3AEA

Photo.d10,NPN-DO,Cable,Receiver

TECHNICAL FEATURES

Detection properties

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

Application

Function Principle	Receiver
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	10...30VDC
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

Housing material	PC housing / POM fixing ring / ABS cable exit
Connections	5m PVC cable

Active Head Material

PC

Contacts material

PC housing / POM fixing ring / ABS cable exit

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

Generical Data

Dimensions

M10x1/L=41mm

Operating Temperature

- 25°C...+ 70°C (Without freeze)

Mechanical Protection

IP67

Datasensing S.r.l.

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

**date of
printing**
10/08/2026
07:26:04