

Proximity Sensors Capacitive Steel Housing Types DR G, M14, PG 21, 1 3/8", Namur

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- Steel housing, cylindrical
- Diameter: M 14, PG 21
- Sensing distance: 3 to 5 mm
- Output: Namur (DIN 19 234)
- 2 m cable

Product Description

Capacitive proximity switch in cylindrical steel housing with front and back in yellow thermoplastic polyester. De-

signed in accordance with Namur DIN 19 234. Delivered with 2 m cable.

Ordering Key

DR 3 G

Type: Capacitive proximity switch
Housing material

Type Selection

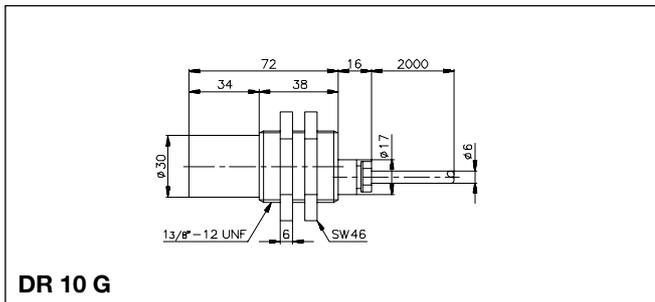
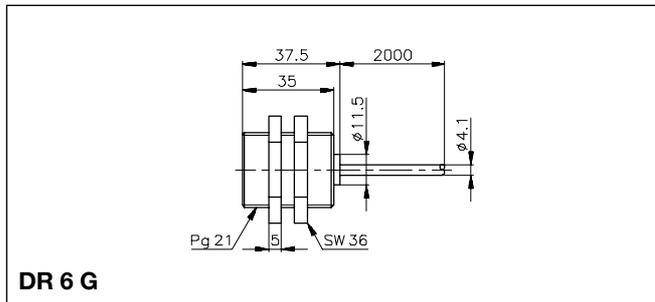
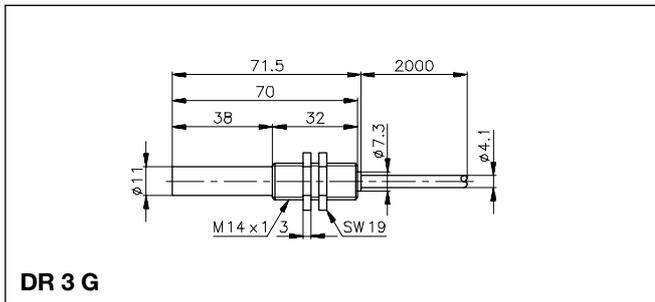
Housing diameter	Rated operating dist. (S _n) ³⁾	Ordering no. Namur	¹⁾ For non-flush mounting ²⁾ For flush mounting ³⁾ Object: Grounded steel plate
M 14	3 mm ¹⁾	DR 3 G	
PG 21	5 mm ²⁾	DR 6 G	
1 3/8"	10 mm ¹⁾	DR 10 G	

Specifications

Rated operational volt. (U _s) (U _B)	8.2 VDC 7 to 9 VDC (6 to 35 VDC, all specifications not observed in extended supply range)	Housing material	Chromatized steel
No-load supply current (I _o)	Activated: ≤ 1 mA Not activated: ≥ 2.2 mA	Body	Yellow thermoplastic polyester
Protection	None	Front	Yellow thermoplastic polyester
Frequency of operating cycles (f)	500 Hz	Back	Yellow thermoplastic polyester
Rated operating dist. (S _n)	DR 3 G 3 mm DR 6 G 5 mm DR 10 G 10 mm Reference object: Grounded steel plate. Other objects: Refer to "Reduction Factors", Techn. information	Cable	2 m, 2 x 0.25 mm ² black PVC
Ambient temperature		Weight	DR 3 G 60 g DR 6 G 140 g DR 10 G 140 g
Operating	-20° to +60°C (-4° to +140°F)	Tightening torque	DR 3 G 17.5 Nm DR 6 G 175.0 Nm DR 10 G 175.0 Nm
Storage	-20° to +60°C (-4° to +140°F)		
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)		



Dimensions



Wiring Diagrams

Refer to "Wiring Diagrams", Technical information.

Installation Hints

Refer to "Installation Hints", Technical information.

Namur Amplifier Relays

> SD 110/210.
> SD 170/270.
Refer to Technical information.

Accessories

Refer to "Accessories", Technical information.