Proximity Sensors Inductive
Nickel-plated Brass Housing
Types DJ, M 14, PG 21, Namur

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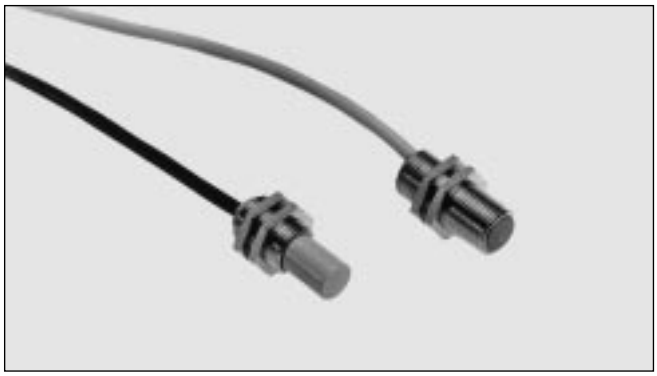


- **Nickel-plated brass housing, cylindrical**
- **Diameter: M 14, PG 21**
- **Sensing distance: 2 to 6 mm**
- **Power supply: 8.2 VDC (Namur)**
- **Output: Namur (DIN 19 234)**
- **2 m cable**

Product Description

Proximity switch in M 14 and PG 21 nickel-plated brass housings, for flush mounting and non-flush mounting. Amplifier relay SD ... available. Delivered with 2 m cable.

Ordering Key

DJ 2 G

Type: Inductive proximity switch
Rated operating dist. (mm)
Housing material

Type Selection

Housing diameter	Rated operating dist. (S_n)	Ordering no. Namur
M 14	2 mm [1]	**DJ 2 G**
M 14	5 mm [2]	**DJ 5 G**
PG 21	6 mm [1]	**DJ 6 G**

[1] For flush mounting in metal
[2] For non-flush mounting in metal

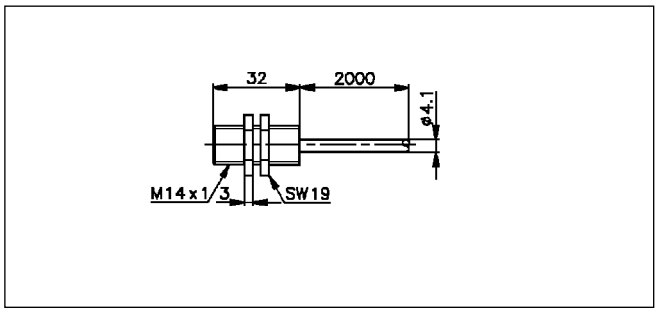
Specifications

Rated operational volt. (U_e) (U_B)	8.2 VDC 7 to 9 VDC (6 to 35 VDC, all specifications not observed in extended supply range)
Self-inductance	≤ 300 mH
Self-capacitance	≤ 120 nF
No-load supply current (I_o)	Activated: ≤1 mA Not activated: **DJ 2 G** ≥ 3 mA **DJ 5 G** ≥ 2.2 mA **DJ 6 G** ≥ 2.2 mA Max.: 9.35 mA
Protection	None (**DJ10 G:** reverse polarity)
Transient voltage	≤ 1 kV/0.5 J (prepared)
Frequency of operating cycles (f)	**DJ 2 G** 2000 Hz **DJ 5 G** 1000 Hz **DJ 6 G** 1000 Hz
Assured operating dist. (S_a)	**DJ 2 G** 0 to 1.44 mm **DJ 5 G** 0 to 4.05 mm **DJ 6 G** 0 to 4.32 mm
Repeat accuracy (R)	≤ 10%
Hysteresis (H) (Differential travel)	Dependent on amplifier relay
Usable operating dist. (S_u)	**DJ 2 G** 0.8 x S_r ≤ S_u ≤ 1.2 x S_r **DJ 5 G** 0.9 x S_r ≤ S_u ≤ 1.1 x S_r **DJ 6 G** 0.8 x S_r ≤ S_u ≤ 1.2 x S_r
Ambient temperature	
Operating	**DJ 2 G** -20° to +60°C (-4° to +140°F) **DJ 5 G** -25° to +70°C (-13° to +158°F) **DJ 6 G** -20° to +60°C (-4° to +140°F)
Storage	**DJ 2 G** -25° to +70°C (-13° to +158°F) **DJ 5 G** -30° to +80°C (-22° to +176°F) **DJ 6 G** -25° to +70°C (-13° to+158°F)
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Housing material	
Body	Nickel-plated brass
Front	Blue ABS
Back	Blue ABS
Cable	**DJ 2 G** 2 m, 2 x 0.25 mm² **DJ 5 G** 2 m, 2 x 0.25 mm² **DJ 6 G** 2 m, 2 x 0.50 mm² grey PVC, oil proof

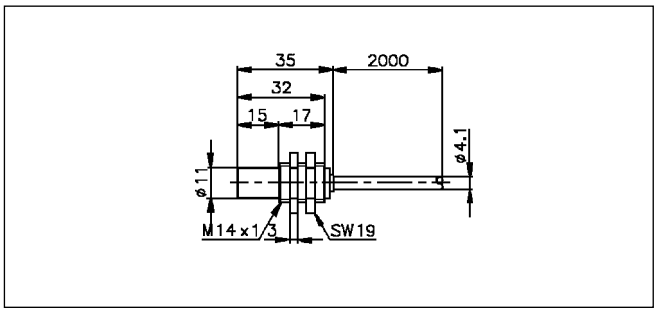
Specifications (cont.)

Weight	**DJ 2 G** 80 g **DJ 5 G** 80 g **DJ 6 G** 210 g (cable included)	**Tightening torque**	**DJ 2 G** 17.5 Nm **DJ 5 G** 17.5 Nm **DJ 6 G** 175.0 Nm
		CE-marking	Yes

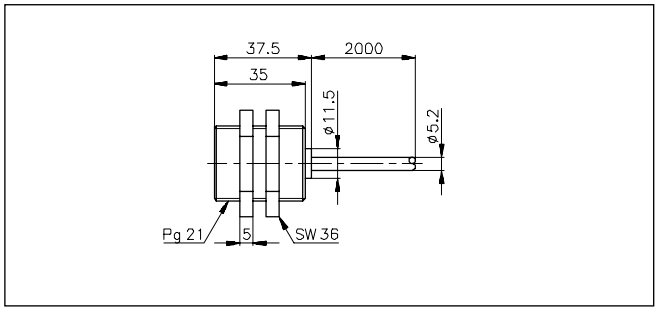
Dimensions



DJ 2 G



DJ 5 G



DJ 6 G

Wiring Diagrams

Refer to "Wiring Diagrams", Technical information.

Installation Hints

Refer to "Installation Hints", Technical information.

Amplifier Relays, Namur

> SD 110/210.
> SD 170/270.

Refer to Technical Information.