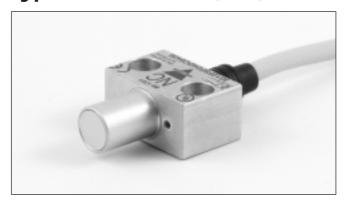
Proximity Sensors Inductive Extended Range, Aluminium Micro Switch Housing Type IG12FSF04DO, DC, 2-wire





- · Sensing distance: 4 mm
- Flush type
- Power supply: 10 to 40 VDC
- Output: Transistor
- · Make or Break switching
- · Protection: Reverse polarity, short-circuit and transients
- 2 m cable PUR/PVC
- Dimensions: Body: 30 x 19 x 15 mm

Tip: Ø12 x 16 mm

Product Description

Flush mountable inductive proximity switch in micro switch aluminium housing with 2 m PUR cable. This type of sensor can replace mechanical limit switches.

The sensor has an extreme low No-load supply current of typical 0.3 mA. Mounting with 4 mm captive screws or 3 mm screws (front mounted).

Ordering Key	IG12FSF04DO
Ind. proximity switch — Housing style — Sensing surface size — Housing material — Housing length — Detection principle — Sensing distance — Output type — Output configuration —	

Type Selection

Housing dimensions	Connection	Rated operating dist. (S _n)	Ordering no. 2 wire DC, Normally open	Ordering no. 2 wire DC, Normally closed
30 x 19 x 15 mm	Cable	4 mm ¹⁾	IG 12 FSF 04 DO	IG 12 FSF 04 DC

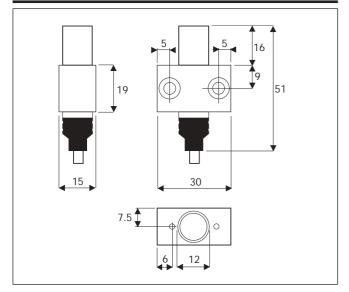
¹⁾ For flush mounting in metal

Specifications

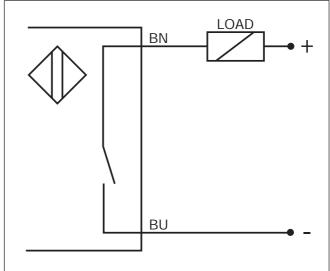
Rated operational volt. (U _e)	12 to 36 VDC	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
(U _B)	10 to 40 VDC (ripple included)	Housing material	
Ripple	≤ 10%	Body	Anodized Aluminium, type
Rated operational current (I _e) Continuous	≤ 5-100 mA	Front	EN AW-6802 Anodized Aluminium and
No-load supply current (I)	≤ 0.4 mA		grey thermoplastic polyester (CPBT)
Voltage drop (U _d)	≤ 3 VDC at max. load	Connection	(0.2.7)
Protection	Reverse polarity, short-circuit, transients	Cable	2 m, 2 x 0.34 mm ² , Ø5.1 mm grey PUR/PVC, oil proof
Transient voltage	\leq 1 kV/500 Ω	Mounting	2 x M4 screws for side
Power ON delay	< 100 ms		mounting or
Frequency of op. cycles (f)	1 kHz		2 x M3 screws for front mounting
Repeat accuracy (R)	≤ 10%	Weight (cable included 2 m)	Approx. 85 q
Hysteresis (H) (Differential travel)	1 to 20% of sensing distance	Weight (cable included 2 m)	дрргох. 65 g
Assured operating dist. (S _a)	$0 \le S_a \le 0.81 \ S_n$		
Effective operating dist. (S _r)	$0.9 \text{ x } S_n \le S_r \le 1.1 \text{ x } S_n$		
Usable operating dist. (S _m)	$0.9 \text{ x S}_r \le S_u \le 1.1 \text{ x S}_r$		
Ambient temperature Operating Storage	-25° to +70°C (-13° to +158°F) -30° to +80°C (-22° to +176°F)		



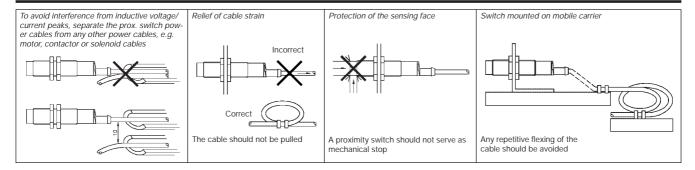
Dimensions



Wiring Diagram



Installation Hints



Delivery Contents

Inductive proximity switch IG12FSF04D. Packaging: plastic bag