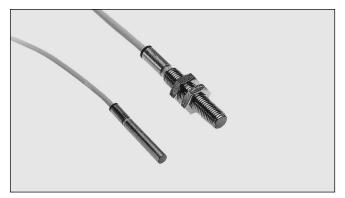
Proximity Sensors Inductive Stainless Steel Housing Types El, Ø 6.5, M8, NAMUR





- Stainless steel housing, cylindrical
- Diameter: Ø 6.5, M8
- Short versions
- Sensing distance: 1 to 2 mm
- Output: NAMUR (DIN 19234)
- Protection: Reverse polarity
- 2 m cable

Product Description

Proximity switch in Ø 6.5 and M8 housings. Made in accordance with NAMUR DIN 19 234. Short version in

standard stainless steel housing. Amplifier relay SD ... is available.

Type Housing diameter (mm) Rated operating dist. (mm) Output type Housing material

Type Selection

Housing diameter	Rated operating distance (S _n)	Ordering no. NAMUR	_
Ø 6.5 mm	1 mm ¹⁾	EI 0601 NACS	
M8 M8	1 mm ¹⁾ 2 mm ²⁾	EI 0801 NACS EI 0802 NACS	¹⁾ For flush mounting in metal ²⁾ For non-flush mounting in metal

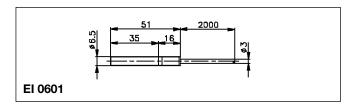
Specifications

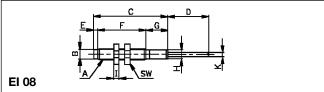
Rated operational volt. (U_e) (U_B)	8.2 VDC 7 to 9 VDC (6 to 35 VDC, all specifica- tions not observed in extended supply range)	Ambient temperature Operating Storage Degree of protection	-25° to +70°C (-13° to +158°F) -30° to +80°C (-22° to +176°F) IP 67 (Nema 1, 3, 4, 6, 13)		
Self-inductance	Max. 500 μH	Housing material	(, - , - , - , - ,		
Self-capacitance	Max. 120 nF	Body	Stainless steel (1.4301)		
Current consumption (I _o)	Activated: ≤1 mA Not activated: ≥ 2.2 mA	Front Back	Thermoplastic polyester Black PVC		
	Max.: 9.35 mA	Cable	2 m, 2 x 0.14 mm ²		
Protection	Reverse polarity		grey PVC, oil proof		
Transient voltage	≤ 1 kV/0.5 J (prepared)	Weight (cable included)	00		
Frequency of operating cycles (f)		EI 06 EI 08	30 g 50 g		
EI 0601 EI 0801 EI 0802	2000 Hz 2000 Hz 1500 Hz	Tightening torque EI 08	3.0 Nm (x) 7.0 Nm (y) Refer to "Terms Used"		
Assured operating dist. (S _a)	$0 \le S_a \le 0.81 \times S_n$		Technical information.		
Repeat accuracy (R)	≤ 5%	Approvals	UL, CSA		
Hysteresis (H) (Differential travel)	Dependent on amplifier relay	CE-marking	Yes		
Effective operating dist. (S _r)	$0.9 \times S_n \le S_r \le 1.1 \times S_n$				
Usable operating dist. (S _u)	$0.9 \ x \ S_r \leq S_u \leq 1.1 \ x \ S_r$				



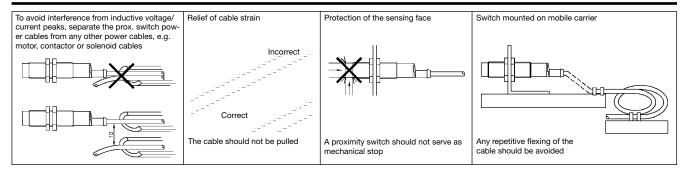
Dimensions

Туре	A	B Ø mm			H mm	l .	l	K Ø mm
EI 0801 EI 0802	M8 x 1 M8 x 1	6.7 6.7	2000 2000		Ø 6.5 Ø 6.5	l .	13 13	3

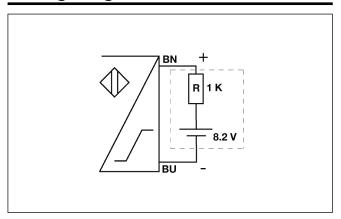




Installation Hints



Wiring Diagram



NAMUR, Amplifier Relays

> SD 110/210.

> SD 170/270.

Refer to Technical information.