Proximity Sensors Inductive Flat pack Polycarbonate Housing Types El 5510/El 5515, DC-Types





- Sensing distance 10 or 15 mm
- Flush and non-flush types
- Rated operational voltage: 10 to 40 VDC
- Output: DC 200 mA, NPN or PNP
- Normally open and normally closed function
- LED indication for output ON
- Inductive, Capacitive and Photoelectric flat pack series in PC housing, IP 67
- Cable and plug versions

Product Description

Inductive proximity switch with sensing distance 10 mm flush mounted in metal or 15 mm non-flush mounted. 4-wire with both make (NO) and break (NC) switching. Flat pack housing size

(W x H x D) 35 x 55 x 15 mm made in polycarbonate. Easy mounting with only two M 3.5 screws. Ideal for use in conveying and material handling applications.

Type	Ordering Key	EI 55 10 NPA P-1
Housing Range Output type Housing material Connection type	ousing ange utput type ousing material	

Type Selection

Housing	Rated operating dist. (S _n)	Ordering no.	Ordering no.	Ordering no.	Ordering no.
diameter		NPN/cable	NPN/plug	PNP/cable	PNP/plug
W x H x D		NO & NC	NO & NC	NO & NC	NO & NC
35 x 55 x 15 mm	10 mm ¹⁾	EI 5510 NPAP	EI 5510 NPAP-1	EI 5510 PPAP	EI 5510 PPAP-1
35 x 55 x 15 mm	15 mm ²⁾	EI 5515 NPAP	EI 5515 NPAP-1	EI 5515 PPAP	EI 5515 PPAP-1

¹⁾ For flush mounting in metal

Specifications

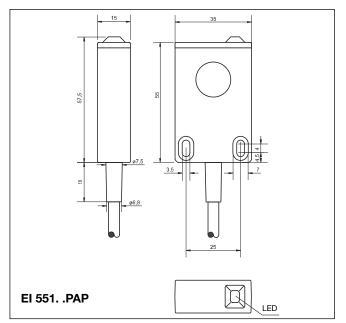
Rated operational volt. (U_e) (U_B)	12 to 36 VDC 10 to 40 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (I _e) Continuous	≤ 200 mA
No-load supply current (I _o)	≤ 7 mA
Voltage drop (U _d)	≤ 2 VDC at max. load
Protection	Reverse polarity, short-circuit
Power ON delay	≤ 50 ms
Frequency of operating cycles (f) EI 5510 EI 5515	500 Hz 250 Hz
Indication for output ON	LED, yellow
Assured operating dist. (S _a)	$0 \le S_a \le 0.81 \ S_n$
Repeat accuracy (R)	≤ 5%
Hysteresis (H) (Differential travel)	1 to 15% of sensing distance
• ,	1 to 15% of sensing distance 0.9 x $S_n \le S_r \le 1.1$ x S_n

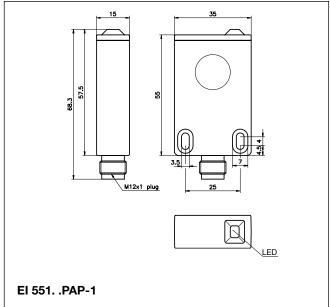
Ambient temperature Operating Storage	-25° to +70°C (-13° to +158°F) -30° to +80°C (-22° to +176°F)
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Housing Dimensions Material	35 x 55 x 15 mm Polycarbonate, grey
Cable	2 m, 4 x 0.3 mm ² grey PVC, oil proof
Weight	
Cable version Plug version	125 g 40 g
EMC ratings ENV 50 140 RF Electromagnetic field AM, 80-1000 MHz, Level 3 ENV 50 204 RF Electromagnetic field PM, 80-900 MHz, Level 3 EN 61000-4-4 Fast transient Rep. freq. 5 kHz, Level 3	10 V/m
Approvals	UL, CSA
CE-marking	Yes

²⁾ For non-flush mounting in metal

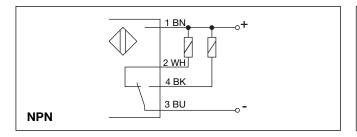


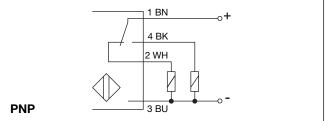
Dimensions



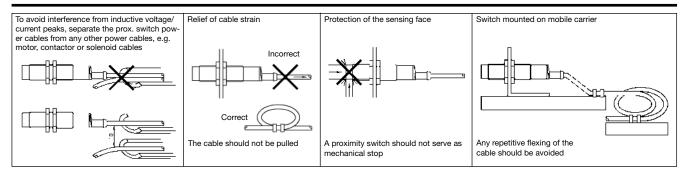


Wiring Diagrams





Installation Hints



Accessories

• Plugs CONH1A.. series, please refer to "Accessories".

Delivery Contents

- Inductive switch: El 551.
- Packaging: plastic bag