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





- Sensing distance 10 or 15 mm
- Rated operational voltage: 20 to 250 VAC
- Output: SCR, make or break switching
- LED indication for output ON
- Protection: Transients
- Inductive, Capacitive and Photoelectric flat pack series in PC housing, IP 67
- Cable and plug versions

Product Description

AC inductive proximity switches with sensing distance 10 mm mounted in metal or 15 mm non-flush mounted. 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 Housing Range Output type Housing material Connection type

Type Selection

Housing	Rated operating dist. (S _n)	Ordering no.	Ordering no.	Ordering no.	Ordering no.
diameter		Cable	Cable	Plug	Plug
W x H x D		Make switching	Break switching	Make switching	Break switching
35 x 55 x 15	10 mm	EI 5510 TBOP	EI 5510 TBCP	EI 5510 TBOP-6	EI 5510 TBCP-6
	15 mm	EI 5515 TBOP	EI 5515 TBCP	EI 5515 TBOP-6	EI 5515 TBCP-6

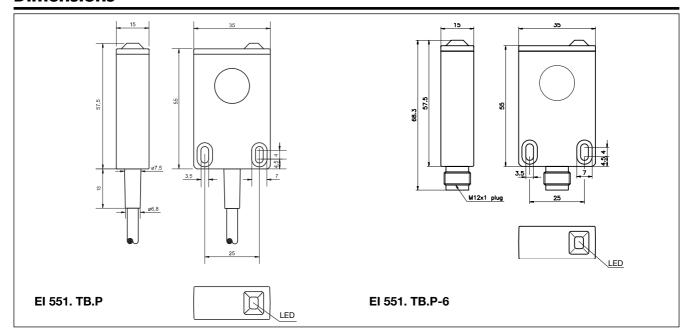
Specifications

Rated operational volt. (U_e) (U_B)	24 to 240 VAC 20 to 250 VAC, 50 to 60 Hz
Rated operational current (I _e) Continuous Short-time	10 to 500 mA ≤ 2.5 A, max. 20 ms
Minimum load current (I _o)	≤ 5 mA
OFF-state current (I _r)	20 mA
Voltage drop (U _d)	≤ 8 VAC at max. load
Protection	Transients
Transient voltage	Level 3, 2.5 kV, acc. to IEC-60255-5 (500 Ω , 0.5 J)
Power ON delay	≤ 100 ms
Frequency of operating cycles (f)	5 Hz
Indication for output ON	LED, yellow
Assured operating dist. (Sa)	$0 \leq S_a \leq 0.81 \ S_n$
Repeat accuracy (R)	≤ 5%
Hysteresis (H) (Differential travel)	3 to 20% of sensing distance
Effective operating dist. (S _r)	$0.9 \times S_n \le S_r \le 1.1 \times S_n$
Usable operating dist. (S _u)	$0.9 \times S_r \le S_u \le 1.1 \times S_r$
Ambient temperature Operating Storage	-25° to +70°C (-13° to +158°F) -30° to +80°C (-22° to +176°F)

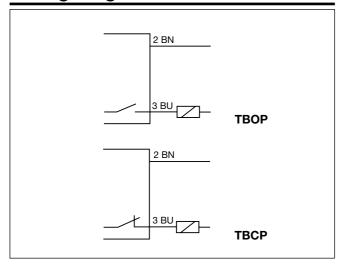
IP 67 (Nema 1, 3, 4, 6, 13)
Polycarbonate, grey
2 m, 4 x 0.3 mm ²
grey PUR, oil proof M 12 x 1 (double keyed) CONH6A-xx
0 0 1 11 107 1 701
125 g cable version 40 g plug version
Acc. to EN 50 082-2
4114
4 kV 8 kV
O RV
2 kV
10 V/m
10 V/m
10.1//
10 V/m
UL, CSA
Yes



Dimensions



Wiring Diagrams



Accessories

• Plugs CONH6A.. serie, please refer to "Accessories".

Delivery Contents

- Inductive switch: El 551.
- Packaging: Corrugated cardboard (environmentally friendly recycling material).

Installation Hints

