

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

CARLO GAVAZZI



- 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.

Ordering Key

EI 55 10 TBO P-6

Type: Inductive proximity switch
Housing _____
Range _____
Output type _____
Housing material _____
Connection type _____

Type Selection, AC Types

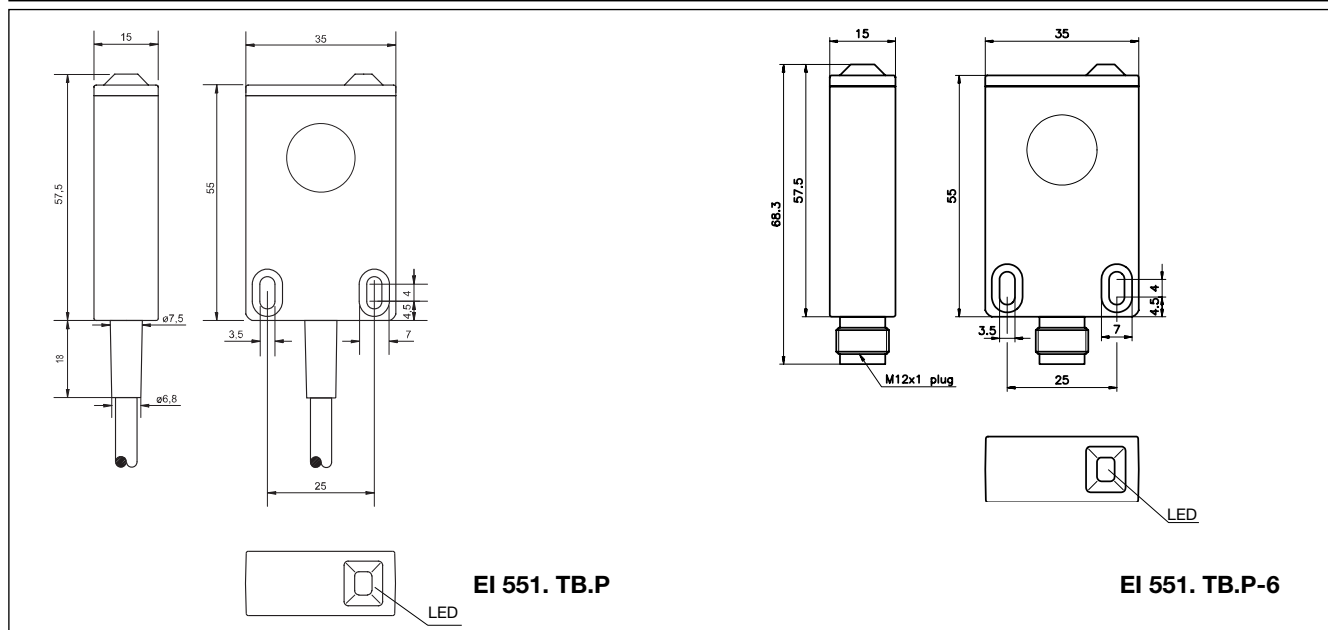
Housing diameter W x H x D	Rated operating dist. (S _n)	Ordering no. Cable Make switching	Ordering no. Cable Break switching	Ordering no. Plug Make switching	Ordering no. Plug Break switching
35 x 55 x 15	10 mm	EI 5510 TBOP	EI 5510 TBOP	EI 5510 TBOP-6	EI 5510 TBOP-6
	15 mm	EI 5515 TBOP	EI 5515 TBOP	EI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

Specifications

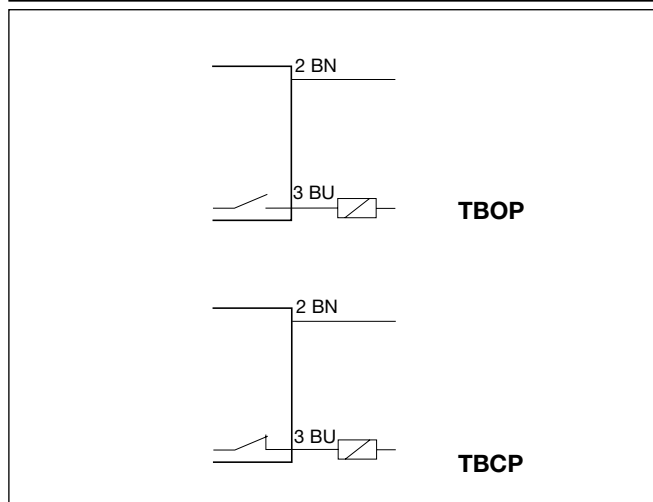
Rated operational volt. (U _e)	24 to 240 VAC	Effective operating dist. (S _r)	0.9 x S _n ≤ S _r ≤ 1.1 x S _n
(U _B)	20 to 250 VAC, 50 to 60 Hz	Usable operating dist. (S _u)	0.9 x S _r ≤ S _u ≤ 1.1 x S _r
Rated operational current (I _e)		Ambient temperature	
Continuous	10 to 500 mA	Operating	-25° to +70°C (-13° to +158°F)
Short-time	≤ 2.5 A, max. 20 ms	Storage	-30° to +80°C (-22° to +176°F)
Minimum load current (I _o)	≤ 5 mA	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
OFF-state current (I _r)	20mA	Housing material	Polycarbonate, grey
Voltage drop (U _d)	≤ 8 VAC at max. load	Connection	
Protection	Transients	Cable	2 m, 4 x 0.3 mm ² grey PUR, oil proof
Transient voltage	Level 3, 2.5 kV, acc. to IEC-60255-5 (500Ω, 0.5 J)	Plug	M 12 x 1 (double keyed)
Power ON delay	≤ 100 ms	Cables for plug (-6)	CONH6A-xx
Frequency of operating cycles (f)	5 Hz	Weight	125 g cable version 40 g plug version
Indication for output ON	LED, yellow	EMC ratings	Acc. to EN 50 082-2
Assured operating dist. (S _a)	0 ≤ S _a ≤ 0.81 S _n	EN 61 000-4-2 ESD	
Repeat accuracy (R)	≤ 5%	Contact discharge	4 kV
Hysteresis (H)		Air discharge	8 kV
(Differential travel)	3 to 20% of sensing distance	EN 61 000-4-4 Fast transient	
		Rep. freq. 5 kHz	2 kV
		ENV 50 140 RF Electromagnetic AM, 80-1000 mHz	10 V/m
		ENV 50 141 Conducted Disturbance	10 V/m
		ENV 50 204 RF Electromagnetic field PM, 80-900 MHz	10 V/m



Dimensions



Wiring Diagrams



Accessories

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

Delivery Contents

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