

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

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- Sensing distance 10 or 15 mm
- Rated operational voltage: 10 to 40 VDC
- Output: DC 200 mA, NPN or PNP
- Make and break switching 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.

Ordering Key

EI 55 10 NPA P-1

Type _____
 Housing _____
 Range _____
 Output type _____
 Housing material _____
 Connection type _____

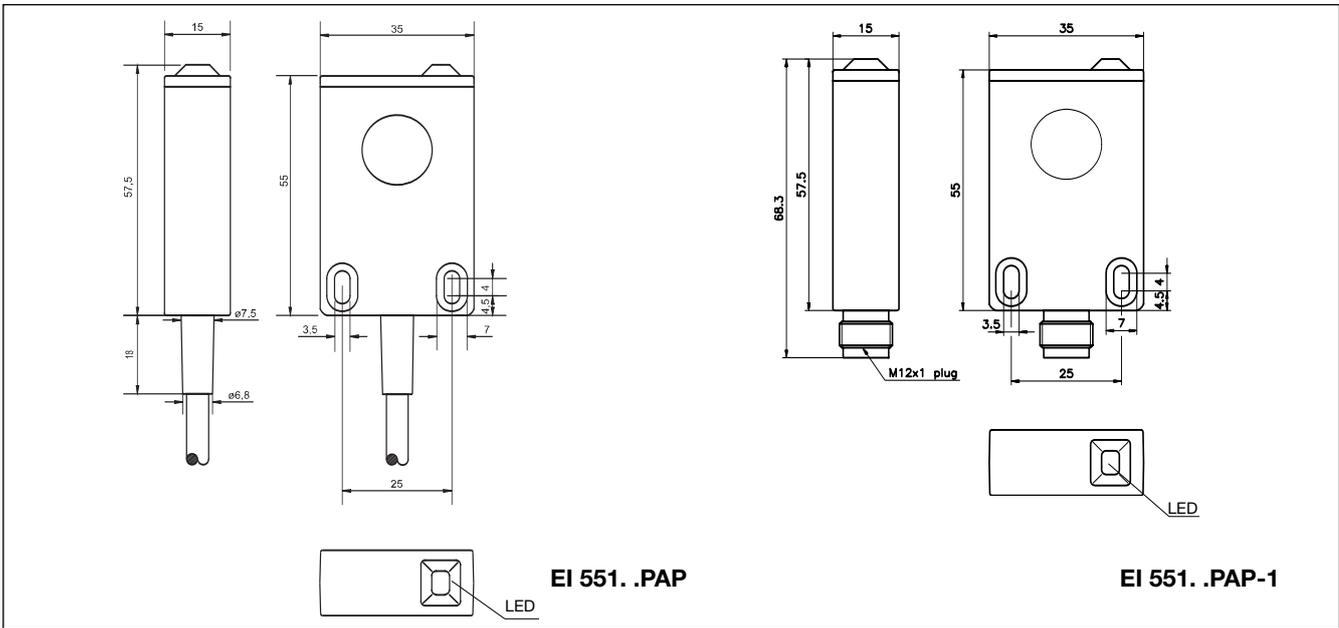
Type Selection

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

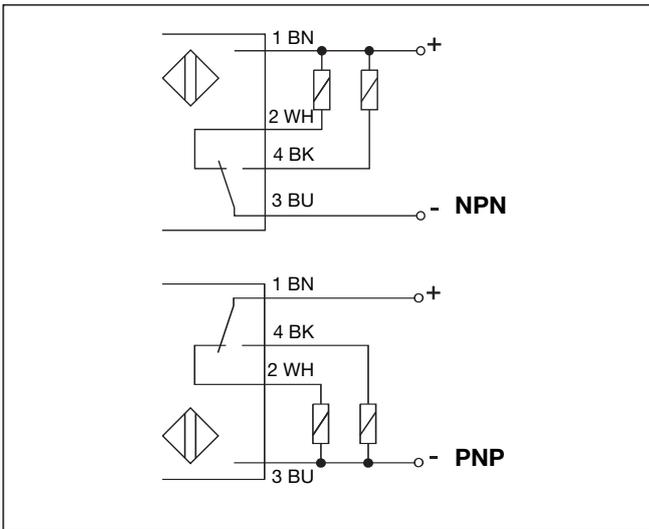
Specifications

| | | | |
|---|--|---|--|
| Rated operational volt. (U _a) (U _B) | 12 to 36 VDC 10 to 40 VDC (ripple included) | Ambient temperature Operating Storage | -25° to +70°C (-13° to +158°F) -30° to +80°C (-22° to +176°F) |
| Ripple | ≤ 10% | Degree of protection | IP 67 (Nema 1, 3, 4, 6, 13) |
| Rated operational current (I _a) Continuous | ≤ 200 mA | Housing material | Polycarbonate, grey |
| No-load supply current (I _o) | ≤ 7 mA | Cable | 2 m, 4 x 0.3 mm ² grey PVC, oil proof |
| Voltage drop (U _d) | ≤ 2 VDC at max. load | Weight | 125 g cable version 40 g plug version |
| Protection | Reverse polarity, short-circuit | EMC ratings | Acc. to EN 50 082-2 |
| Power ON delay | ≤ 50 ms | ENV 50 140 RF Electromagnetic field AM, 80-1000 MHz, Level 3 | 10 V/m |
| Frequency of operating cycles (f) | EI 5510 500 Hz EI 5515 250 Hz | ENV 50 204 RF Electromagnetic field PM, 80-900 MHz, Level 3 | 10 V/m |
| Indication for output ON | LED, yellow | EN 61000-4-4 Fast transient Rep. freq. 5 kHz, Level 3 | 1 kV |
| Assured operating dist. (S _a) | 0 ≤ S _a ≤ 0.81 S _n | Approvals | UL, CSA |
| Repeat accuracy (R) | ≤ 5% | CE-marking | Yes |
| Hysteresis (H) (Differential travel) | 1 to 15% of sensing distance | | |
| Effective operating dist. (S _r) | 0.9 x S _n ≤ S _r ≤ 1.1 x S _n | | |
| Usable operating dist. (S _u) | 0.9 x S _r ≤ S _u ≤ 1.1 x S _r | | |

Dimensions



Wiring Diagrams



Accessories

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

Delivery Contents

- Inductive switch: EI 551.
- **Packaging:** plastic bag

Installation Hints

