



Electric Automation
Automation specialists

Riferimento: BSA-IND

Parametri selezionati Altro INFO1
Sensore induttivo INFO2 M18x57 INFO3
Alimentato dal Bus INFO4 Sensore
induttivo montaggio a filo con 5mm di
distanza di rilevamento, 2m di cavo

Acquista da Electric Automation Network



Transmitter with Inductive Prox. Switch Function

BSA-IND

Stainless steel housing, cylindrical Diameter: M18

Short version

Flush mounting

Sensing distance: 5 mm Powered by smart-house Available with 2 m. cable

Freely programmable channel code by BGP-COD-BAT

GENERAL SPECIFICATIONS

Power ON delay Typ. 5 ms

Environment

Degree of protection IP 67

Pollution degree 3 (IEC 60664)

Operating temperature -25° to +70°C (-13° to +158°F) Storage temperature -30° to +80°C (-22° to +176°F)

Mechanical resistance

Tightening torque 2.6 Nm

Material

Housing & Body Stainless steel (1.4301) Back Black polyester

Front Grey thermoplastic polyester

Cable type PVC, grey, oil proof,

3 x 0.3 mm²

Cable length 2 m

Weight 25 g

INPUT SPECIFICATIONS

REDUCTION FACTORS

Inputs Inductive proximity switch

Nominal sensing distance S_n 5 mm

Effective sensing range S_r $0.9 \times S_n \leq S_r \leq 1.1 \times S_n$ Usable operating range S_u $0.9 \times S_r \leq S_u \leq 1.1 \times S_r$ Assured operating range S_a $0 < S_a < 0.81 \times S_n$ Hysteresis H Typ. 7%

Response time ≤ 1 smart-house pulse train

The nominal sensing distance is reduced by the use of metal and alloys other than ST

37. Most important reduction factors for the inductive proximity switch are:

Stainless steel $0.6 \times S_n$ Brass $0.4 \times S_n$ Aluminium $0.3 \times S_n$ Copper $0.2 \times S_n$

SUPPLY SPECIFICATIONS

Power supply Supplied by smart-house

Reverse polarity protection Yes

TYPE SELECTION Housing Connection Rated operating Ordering no. diameter dist.

(S_n)

1)

Rated operational current Typ. 900 μ A

M18 Cable 5 mm

1)

BSA-IND

For flush mounting in metal

MODE OF OPERATION

WIRING DIAGRAM

The BSA-IND inductive proximity switch with built-in smart-house transmitter

operates in the same way as the commonly available products of a similar kind.

Once a metallic object is brought within sensing distance of the inductive proximity switch the respective channel will be activated.

The inductive proximity switch may be coded to any smart-house channel by means of the programmer BGP-COD-BAT and the adapter ADAPT 1605.

Brown

D + D -

Blue

Black

Specifications are subject to change without notice (11.09.2007) - A product of the CARLO GAVAZZI Group