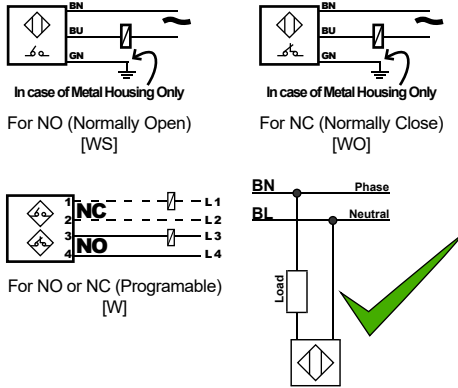


The design, production and testing of OSNA Proximity Switches has considered the harmonised European Standards EN 50081, EN 50082.

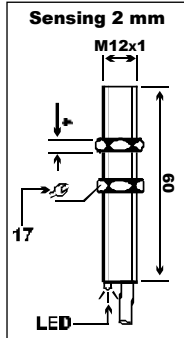
Die Fertigung und Prüfung von OSNA Näherungsschalter berücksichtigt die harmonisierten europäischen Normen EN 50081, EN 50082.

Connection Diagram & Pinout



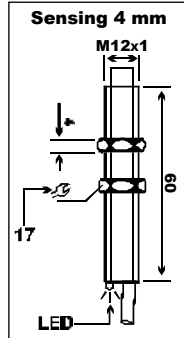
FLUSH

Metal Housing Brass
PVC Cable Switching
impulse suppression
IP-67 Protection
Temperature : -20 to +70°C



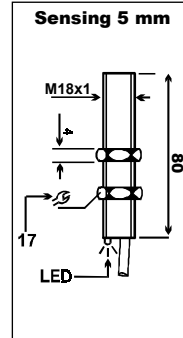
NON FLUSH

Metal Housing Brass
PVC Cable Switching
impulse suppression
IP-67 Protection
Temperature : -20 to +70°C



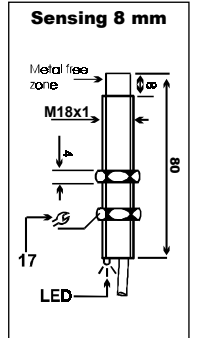
FLUSH

Metal Housing Brass
PVC Cable Switching
impulse suppression
IP-67 Protection
Temperature : -20 to +70°C



NON FLUSH

Metal Housing Brass
PVC Cable Switching
impulse suppression
IP-67 Protection
Temperature : -20 to +70°C



Technical Data

Operating Voltage	20-250 VAC	20-250 VAC	20-250 VAC	20-250 VAC
Continuous Load Current	5-500mA	5-500mA	5-500mA	5-500mA
Current Consumption	< 1.5mA	< 1.5mA	< 1.7mA	< 1.7mA
Voltage Drop	< 5V	< 5V	< 5V	< 5V
Standard Target (Ferrous) - mm	12x12x1	12x12x1	18x18x1	24x24x1
Switching Hysteresis	< 3%	< 3%	< 3%	< 3%
Switching Frequency	25 Hz	25 Hz	25 Hz	25 Hz
Short Time Current (t=10ms)	< 2A	< 2A	< 4A	< 4A
Cable (Cross Section)	0.34 mm ²	0.34 mm ²	0.34 mm ²	0.34 mm ²

Odering Chart

METAL HOUSING NO	NJ 2-12-GM-60-WS ART. NO. : (SIA001 M2)	IN 04 12 TM AC-NO ART. NO. : (SIA003 M2)	IN 05 18 TM AC-NO ART. NO. : (SIA005 M2)	IN 08 18 TM AC-NO ART. NO. : (SIA007 S2)
NC	NJ 2-12-GM-60-WO ART. NO. : (SIA002 M2)	IN 04 12 TM AC-NC ART. NO. : (SIA004 M2)	IN 05 18 TM AC-NC ART. NO. : (SIA006 M2)	IN 08 18 TM AC-NC ART. NO. : (SIA008 M2)
SYNTHETIC HOUSING NO			IN 05 18 TS AC-NO ART. NO. : (SIA 146 S2)	IN 08 18 TS AC-NO ART. NO. : (SIA 192 S2)
NC			IN 05 18 TS AC-NC ART. NO. : (SIA 133 S2)	IN 08 18 TS AC-NC ART. NO. : (SIA 008 S2)

AS THE MARKET REQUIRES A CONTINUOUS UPDATE / IMPROVEMENT DATA IS SUBJECT TO CHANGE WITHOUT NOTICE.

Osna Electronics Pvt. Ltd. was earlier P and F Electronics P. Ltd., founded in the year 1985 as a joint venture up-to 1990 with M/s. Pepperl + Fuchs GmbH, Germany.