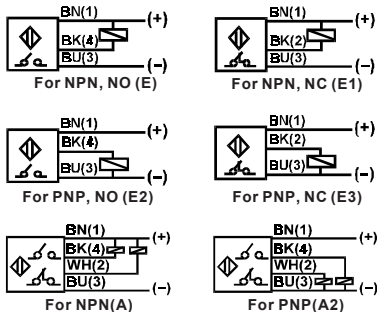


The design, production and testing of OSNA Proximity Switches has considered the harmonised European Standards EN 61000 as the basis leading to the Certificate of Conformity for the CE Sign.

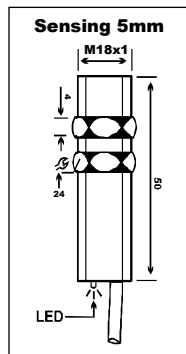
Die Fertigung und Prüfung von OSNA Näherungsschalter berücksichtigt die harmonisierten europäischen Normen EN 61000 als Grundlage für die Konformitätserklärung für die CE Kennzeichnung.

Connection Diagram & Pinout



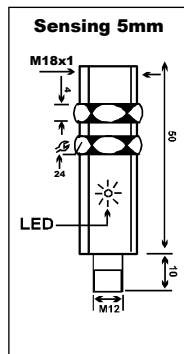
FLUSH

Metal Housing PVC Cable
2 m, 0.14mm Reverse
polarity proof Overload
protection Switching
Impulse suppression
LED, IP-67 Protection
Temperature : -20 to +70°C



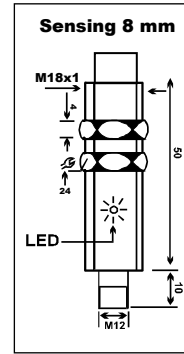
FLUSH

Metal Housing Connection
Type-Plug M12x1,3 Pin
Reverse polarity proof
Overload protection
Switching impulse
suppression Temperature
: -20 to +70°C



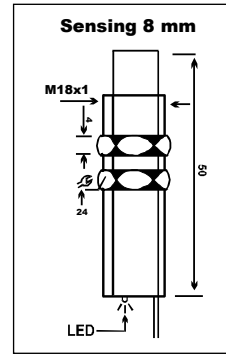
NON FLUSH

Metal Housing Connection
Type-Plug M12x1,3 Pin
Reverse polarity proof
Overload protection
Switching impulse
suppression Temperature
: -20 to +70°C



NON FLUSH

Metal Housing PVC Cable
2 m, 0.14mm Reverse
polarity proof Overload
protection Switching
impulse suppression
Temperature : -20 to +70°C



Technical Data

Operating Voltage	10-35VDC	10-35VDC	10-35VDC	10-35VDC
Assured operat.dist. Sn [mm]	0 ...3.24	0 ...4.05	0 ...6.48	0 ...6.48
Continuous Load Current	<200mA	<200mA	<200mA	<200mA
Current Consumption	<15mA	<15mA	<15mA	<15mA
Voltage Drop.	<3V	<3V	<3V	<3V
Standard Target(Ferrous) - mm	18x18x1	18x18x1	24x24x1	24x24x1
Switching Hysteresis	<5%	<5%	<5%	<5%
Switching Frequency	800Hz	800Hz	800Hz	800Hz
EMC Test	IEC 801	IEC 801	IEC 801	IEC 801

Odering Chart

DC PNP	NO		NJ 05-18-GM-50-E2 ART. NO. : (SID 042 M2)	NJ 05-18-GM-50-E2-V1 ART. NO. : (SID 048 V1)	NJ 08-18-GM-50-E2-V1 ART. NO. : (SID 058 V1)	NJ 08-18-GM-50-E2 ART. NO. : (SID 057 M2)
	NC		IN 05-18 TM PNP-NC ART. NO. : (SID 044 M2)	IN 05-18-TM-PNP-NC-C1 ART. NO. : (SID 052 C1)	IN 08-18-TM-PNP-NC-C1 ART. NO. : (SID 061 C1)	IN 08-18 TM PNP-NC ART. NO. : (SID 059 M2)
DC NPN	NO		NJ 05-18-GM-50-E ART. NO. : (SID 043 M2)	NJ 05-18-GM-50-E-V1 ART. NO. : (SID 049 V1)	NJ 08-18-GM-50-E-V1 ART. NO. : (SID 056 V1)	NJ 08-18-GM-50-E ART. NO. : (SID 055 M2)
	NC		IN 05-18 TM NPN-NC ART. NO. : (SID 045 M2)	IN 05-18-TM-NPN-NC-C1 ART. NO. : (SID 053 C1)	IN 08-18-TM-NPN-NC-C1 ART. NO. : (SID 062 C1)	IN 08-18 TM NPN-NC ART. NO. : (SID 060 M2)
ANTIVALENT (Changeover)	PNP NO + NC		NJ 05-18-GM-50-A2 ART. NO. : (SID 046 M2)	NJ 05-18-GM-50-A2-V1 ART. NO. : (SID 050 V1)	NJ 08-18-GM-50-A2-V1 ART. NO. : (SID 065 V1)	NJ 08-18-GM-50-A2 ART. NO. : (SID 064 M2)
	NPN NO + NC		IN 05-18 TM NPN NO+NC ART. NO. : (SID 047 M2)	IN 05-18-TM-NPN-NO+NC-C1 ART. NO. : (SID 051 C1)		IN 08-18 TM NPN NO+NC ART. NO. : (SID 063 M2)

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.

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