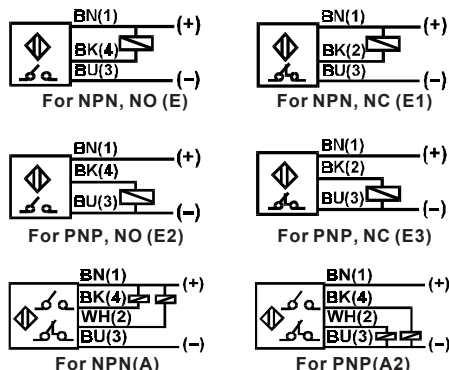


The design, production and testing of OSNA Proximity Switches has considered the harmonised European Standards EN 61000 as the basis leading to the Certificate of Conformity for the CE Sign.

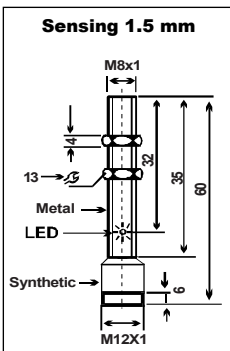
Die Fertigung und Prüfung von OSNA Näherungsschalter berücksichtigt die harmonisierten europäischen Normen EN 61000 als Grundlage für die Konformitätserklärung für die CE Kennzeichnung.

Connection Diagram & Pinout



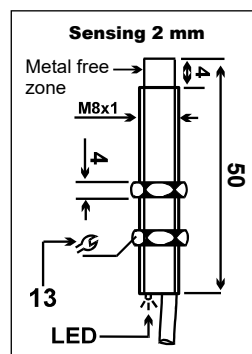
FLUSH

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



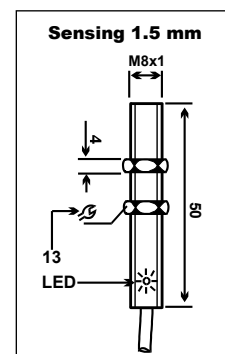
NON FLUSH

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



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



Technical Data

Operating Voltage	10-35VDC	10-35VDC	10-35VDC
Assured operat.dist. Sn [mm]	0 ...1.21	0 ...1.62	0 ...1.21
Continuous Load Current	<200mA	<200mA	<200mA
Current Consumption	<15mA	<15mA	<15mA
Voltage Drop.	<3V	<3V	<3V
Standard Target(Ferrous) - mm	8x8x1	12 x 12 x 1	8 x 8 x 1
Switching Hysteresis	<5%	<5%	<5%
Switching Frequency	3KHz	1.5 KHz	3KHz
EMC Test	IEC 801	IEC 801	IEC 801

Odering Chart

DC PNP	NO	NJ 1.5-08-GM-40-E2-V1 ART. NO. : (SID 014 V1)	NJ 02-8-GM-45-E2 ART. NO. : (SID018M2)	NJ 1.5-8-GM-40-E2 ART. NO. : (SID010 M2)
	NC	IN 1.5-08-TM-PNP-NC-C1 ART. NO. : (SID 187 C1)	IN 02-8-TM-PNP-NC ART. NO. : (SID019M2)	IN 1.5 08 TM PNP-NC ART. NO. : (SID011 M2)
DC NPN	NO	NJ 1.5-08-GM-40-E-V1 ART. NO. : (SID 015 V1)	IN 02-8-TM NPN-NO ART. NO. : (SID020M2)	IN 1.5 08 TM NPN-NO ART. NO. : (SID 009 M2)
	NC	IN 1.5-08-TM-NPN-NC-C1 ART. NO. : (SID 013 C1)	IN 02-8-TM NPN-NC ART. NO. : (SID021M2)	IN 1.5 08 TM NPN-NC ART. NO. : (SID 012 M2)
ANTIVALENT (Changeover)	PNP NO + NC	IN 1.5-08-TM-PNP-NO+NC-C1 ART. NO. : (SID 188 C1)		IN 1.5 08 TM PNP NO+NC ART. NO. : (SID 169 M2)
	NPN NO + NC	IN 1.5-08-TM-NPN-NO+NC-C1 ART. NO. : (SID 189 C1)		IN 1.5 08 TM NPN NO+NC ART. NO. : (SID 170 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.