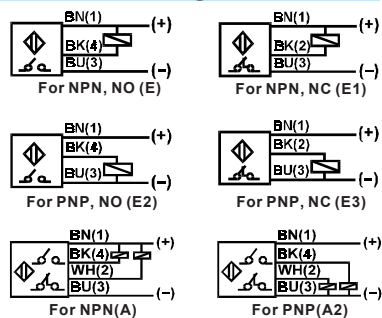


The design, production and testing of OSNA Proximity Switches has considered the harmonised European Standards EN 61000 as the basis leading to the Certificate of Conformity for the CE Sign.

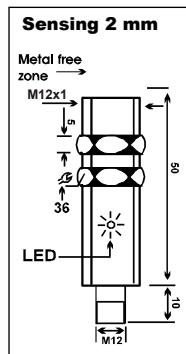
Die Fertigung und Prüfung von OSNA Näherungsschalter berücksichtigt die harmonisierten europäischen Normen EN 61000 als Grundlage für die Konformitätserklärung für die CE Kennzeichnung.

Connection Diagram & Pinout



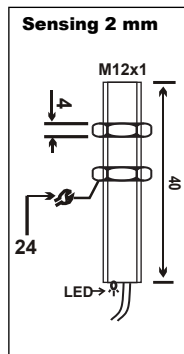
FLUSH

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



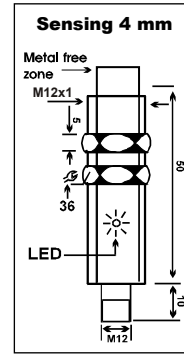
FLUSH

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



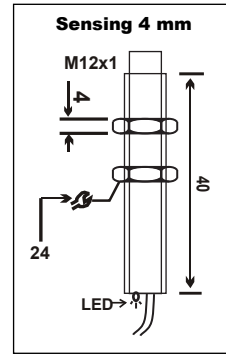
NON FLUSH

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
LED, IP-67 Protection
Temperature : -20 to +70°C



Technical Data

Operating Voltage	10-35VDC	10-35VDC	10-35VDC	10-35VDC
Assured operat.dist. Sn [mm]	0 ...1.62	0 ...1.62	0 ...3.04	0 ...3.04
Continuous Load Current	<200mA	<200mA	<200mA	<200mA
Current Consumption	<15mA	<15mA	<15mA	<15mA
Voltage Drop.	<3V	<3V	<3V	<3V
Standard Target(Ferrous) - mm	12 x 12 x 1	12 x 12 x 1	12 x 12 x 1	12 x 12 x 1
Switching Hysteresis	<5%	<5%	<5%	<5%
Switching Frequency	1.5 KHz	1.5 KHz	1.5KHz	1.5KHz
EMC Test	IEC 801	IEC 801	IEC 801	IEC 801

Ordering Chart

DC PNP	NO	NJ 02-12-GM-40-E2-V1 ART. NO. : (SID 030 V1)	NJ 02-12-GM-40-E2 ART. NO. : (SID 024 M2)	NJ 04-12-GM-40-E2-V1 ART. NO. : (SID 039 V1)	NJ 04-12-GM-40-E2 ART. NO. : (SID 033 M2)
	NC	IN 02-12-TM PNP-NC-C1 ART. NO. : (SID 163 C1)	IN 02-12-TM PNP-NC ART. NO. : (SID 025 M2)	IN 04-12-TM PNP-NC-C1 ART. NO. : (SID 181 C1)	IN 04-12-TM-PNP-NC ART. NO. : (SID 040 M2)
DC NPN	NO	NJ 02-12-GM-40-E-V1 ART. NO. : (SID 031 V1)	NJ 02-12-GM-40-E ART. NO. : (SID 027 M2)	NJ 04-12-GM-40-E-V1 ART. NO. : (SID 038 V1)	NJ 04-12-GM-40-E ART. NO. : (SID 032 M2)
	NC	IN 02-12-TM NPN-NC-C1 ART. NO. : (SID 164 C1)	IN 02-12-TM NPN-NC ART. NO. : (SID 026 M2)	IN 04-12-TM NPN-NC-C1 ART. NO. : (SID 182 C1)	IN 04-12-TM-NPN-NC ART. NO. : (SID 041 M2)
ANTIVALENT PNP NO + NC			IN 02-12-TM PNP NO+NC ART. NO. : (SID 028 M2)	IN 04-12-TM PNP NO+NC-C1 ART. NO. : (SID 183 C1)	IN 04-12-TM PNP-NO+NC ART. NO. : (SID 036 M2)
(Changeover) NPN NO + NC			IN 02-12-TM NPN NO+NC ART. NO. : (SID 029 M2)	IN 04-12-TM NPN NO+NC-C1 ART. NO. : (SID 184 C1)	IN 1.5 08 TM NPN NO+NC ART. NO. : (SID 037 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.