

# INDUCTIVE PROXIMITY SENSOR



azienda con sistema qualità certificato ISO9001  
company with ISO9001 certified quality system

**Italsensor S.r.l.**

Via Carlo Borra 29/31 ("Z.I. La Porporata")

Pinerolo (TO), 10064, ITALY

Tel. +39.0121.502292 - [info@italsensor.com](mailto:info@italsensor.com)

[www.italsensor.com](http://www.italsensor.com)

Family model		IS-LM12		
"Flush Shielded"	<b>Detection distance</b>		<b>2mm</b>	
	DC: 6÷36V	NPN	NO	IS-LM12-3002NA
			NC	IS-LM12-3002NB
			NO+NC	IS-LM12-3002NC
		PNP	NO	IS-LM12-3002PA
			NC	IS-LM12-3002PB
			NO+NC	IS-LM12-3002PC
	Two wire system	NO	IS-LM12-3002LA	
		NC	IS-LM12-3002LB	
	AC: 90÷250V	SCR Control label silicon	NO	IS-LM12-2002A
NC			IS-LM12-2002B	
NO+NC				
Relay output				
"Non-flush Not shielded"	<b>Detection distance</b>		<b>4mm</b>	
	DC: 6÷36V	NPN	NO	IS-LM12-3004NA
			NC	IS-LM12-3004NB
			NO+NC	IS-LM12-3004NC
		PNP	NO	IS-LM12-3004PA
			NC	IS-LM12-3004PB
			NO+NC	IS-LM12-3004PC
	Two wire system	NO	IS-LM12-3004LA	
		NC	IS-LM12-3004LB	
	AC: 90÷250V	SCR Control label silicon	NO	IS-LM12-2004A
NC			IS-LM12-2004B	
NO+NC				
Relay output				
Output current	DC	200mA		
	SCR/Relay	300mA		
Output voltage drop DC/AC		DC(NPN, PNP)<3V, Two-wires<3.9V AC<10V		
Current consumption		DC (NPN, PNP) 12V@8mA, 24V@15mA, AC<10mA		
Standard detected object		15×15×1 mm (A3 iron)		
Repeatability		0,01		
DC/AC Response frequency		400Hz/25Hz		
Working temperature		-25°C ÷ 75°C		
Insulation resistance		≥50MΩ		
Housing material		Metal		
Protection grade		IP67		