

# Rectangular Inductive Proximity Sensor



## Characteristic:

- Surge suppressor and overload protection.
- Small dimension: 8.5x5.5x24mm.
- Compact and durable.
- Single screw hole fixing.



Model	NPN N.O.	JM02-N	JM02-NB	JMD02-N	JMD02-NB
	NPN N.C.	JM02-N2	JM02-N2B	JMD02-N2	JMD02-N2B
	PNP N.O.	JM02-P	JM02-PB	JMD02-P	JMD02-PB
	PNP N.C.	JM02-P2	JM02-P2B	JMD02-P2	JMD02-P2B
Sensing distance	2 mm ±10%				
Secure sensing distance	0 ~1.6 mm				
Standard sensing object	Iron / 8 × 8 × 1mm				
Sensing type	Top surface		Front surface		
Description	Standard M8				
Hysteresis	≦ 10 % of sensing distance				
Response time	1000 Hz				
Operating voltage	DC 12 ~ 30V				
Current consumption	≦ 8 mA no-load				
Load current	100 mA Max. at DC 24V				
Residual voltage	≦ DC 1.5V				
Insulation resistance	20M Ω min. (DC500V)				
Voltage withstandability	AC1000V 60Hz for 60 Sec.				
Operating temperature	-20°C ~ + 60°C				
Protection degree	IP 66				
Option	M84R-2M-PVC / M84RL-2M PVC				
Wiring method	Pre-wire Ø3x2M / 3wires	M8 pigtailed type	Pre-wire Ø3x2M / 3wires	M8 pigtailed type	
Weight	26g	7.5g	26g	7.5g	
<b>Wiring diagrams</b>					
-N					
-P					

JM / JMD

Ø3  
 Ø4  
 M5  
 Ø6  
 M8  
 M12  
 M18  
 M30

JM  
 JN  
 KND  
 PN  
 PND  
 RN  
 SN

SID  
 SIR  
 SIA

KC  
 KCT  
 KCP



# Rectangular Inductive Proximity Sensor

## Characteristic

- N3/P3 model : NPN N.O./N.C. & PNP N.O./N.C. 2-in-1 outputs.
- Surge suppressor and overload protection .
- Compact and durable.
- Single screw hole fixing.



Model	NPN N.O. / N.C.	JM04-N3	JM04-N3B	JMD04-N3	JMD04-N3B
	PNP N.O. / N.C.	JM04-P3	JM04-P3B	JMD04-P3	JMD04-P3B
Sensing distance	4 mm ±10%				
Secure sensing distance	0 ~3.2 mm				
Standard sensing object	Iron / 12 × 12 × 1mm				
Sensing type	Top surface		Front surface		
Hysteresis	≦ 10 % of sensing distance				
Response time	700 Hz				
Operating voltage	DC 12 ~ 30V				
Current consumption	≦ 8 mA no-load				
Load current	100 mA Max. at DC 24V				
Residual voltage	≦ DC 1.5V				
Insulation resistance	20M Ω min. (DC500V)				
Voltage withstandability	AC1000V 60Hz for 60 Sec.				
Operating temperature	-20°C ~ + 60°C				
Protection degree	IP 66				
Option	M84R-2M-PVC / M84RL-2M PVC				
Wiring method	Pre-wire Ø3x2M / 3 wires	M8 pigtailed type/ M8	Pre-wire Ø3x2M / 3 wires	M8 pigtailed type/ M8	
Weight	26g	7.5g	26g	7.5g	
<b>Wiring diagram</b>					
<b>-N3</b>					
<b>-P3B</b>					
<p>(1) BROWN (3) BLUE (2) WHITE (4) BLACK</p>					

JM / JMD

- Ø3
- Ø4
- M5
- Ø6
- M8
- M12
- M18
- M30

- JM
- JN
- KND
- PN
- PND
- RN
- SN

- SID
- SIR
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- KC
- KCT
- KCP