

MARK Sensor in narrow view optics

J3 series 24 types

For details refer
this catalogue



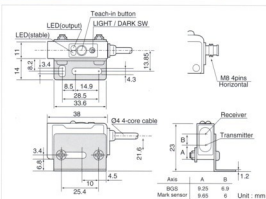
Excellent optical system realized in a compact body applicable to Mark Sensing, Narrow-view Sensing, and BGS application. All the Teach-in setting bring convenience.



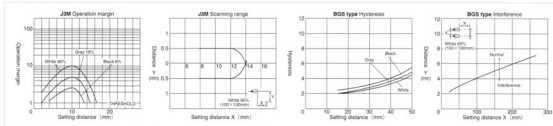
Head-on type
Side-on type
J3 series common shape



Dimensions



Typical Characteristics (Examples)



Specifications

Model	Mark sensor	Retro Reflection	BGS
Cable type	NPN / PNP	J3M-GH(S) 01N / 01P	J3R-H(S) 100N / H(S) 100P
MB Connector type	NPN / PNP	J3M-GH(S) 01CN / 01CP	J3R-H(S) 100CN / H(S) 100CP
(remark)		(s) = vertical type	
Scanning range	10 ± 2mm	0.05 - 1m	50 - 150mm
Power consumption	40mA Max	40mA Max	45mA Max
Response	0.2msec	0.2msec	2.5msec
Hysteresis	—	—	8% @ 100mm
Min objectives	Appr 2 × 5mm @ 10mm	1mm @ 100mm	0.5mm round @ 50mm
Light source	Green	Red eliminating ball lens	Red
Supply voltage		DC10 - 30V incl. 10% ripple	
Control output		NPN / PNP open collector, 100mA / DC30V max	
Sensitivity adjustment		Teach-in	
Reminis teach-in		Available	
Shock resistance		50G	
Operation mode		Light on / Dark on switchover	
Ambient temp		-25 up to 55 °C	
Ambient humidity		35 to 95% RH	
Storage conditions		-40 up to 70 °C, 35 - 95% RH	
Environment luminance		10,000 lux (Sunlight), 3,000 lux (Halogen)	
Insulation resistance		Min. 20 M Ohm / DC500V	
Conformity		JIS, CE, CRU	
(JIS C4525)		1µsec, 300V	
Fallen test		Level 3	
VDE protection		Class 3	
Vibration resistance		10 - 55Hz, vibration 1.5mm	
Protection		IP67	
Housing material		Case : PBT, Lens : Pmma	

● Specifications are subject to change without prior notice for improvement.