

Teach-in, 100G Shock-Resistance, Narrow View, Sharp Optics

J2 series

32 types

For details refer
this catalogue

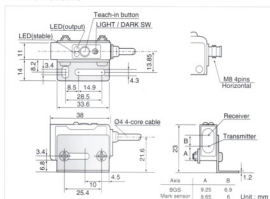


Teach-in setting and performance under control of micro-computer. 1 meter long scanning distance even under conventional energetic (diffuse) reflection type.

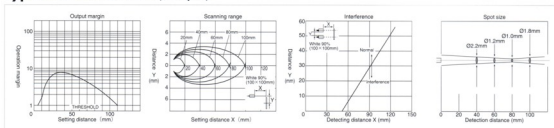
Dimensions



Head-on type
Side-on type
J2 series common shape



Typical Characteristics (Examples)



Specifications

Model	Narrow View	Diffuse Reflection (IR)	Diffuse Reflection (Red)	BGS
Cable type NPN / PNP	J2D-H(S) 10N / H(S) 10P	J2D-H(S) 100N / H(S) 100P	J2D-H(S) 70N / H(S) 70P	BGS-H(S) 15N / H(S) 15P
MI Connector type NPN / PNP (remark)	J2D-H(S) 10CN / H(S) 10CP	J2D-H(S) 100CN / H(S) 100CP	J2D-H(S) 70CN / H(S) 70CP	BGS-H(S) 15CN / H(S) 15CP
Scanning range	100mm	1000mm	700mm	50-150mm
Power consumption	40mA Max	40mA Max	40mA Max	45mA Max
Response	2.5msec	0.5msec	0.5msec	2.5msec
Hysteresis	15%	15%	15%	8% @ 100mm
Spot size	1.5mm round @ 100mm	85mm round @ 1000mm	50mm round @ 600mm	10mm square @ 150mm
Light source	Red	Infrared	Red	Red
Supply voltage	DC10-30V incl. 10% ripple			
Control output	NPN / PNP open collector, 100mA / DC30V max			
Sensitivity adjustment	Teach-in (Available Remote Teach-in)			
Shock resistance	100G			
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 - 50Hz, vibration 1.5mm			
Protection	IP67			
Housing material	Case : PBT, Lens : Pmma			

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