

Data sheet

Environment of use	Indoor
Emitting property	Infrared laser
Laser class	CLASS 1
Emitting property_Wavelength band	905nm
Emitting property_Max. pulse output power	6W
Beam conversion angle	9.5 mrad
Scanning frequency	15 Hz
Response time	Typ. 67 ms
Monitoring zone	0.05 ~ 10 m
Min. size of the scanning target	At detection distance of 8 m: \approx 121 mm
Angular resolution	0.33°
Aperture angle	270°
Object reflectivity	Min. 4%
Weight	\approx 228 g (314 g)
Power supply	9-28VDC $\overline{\text{---}}$
Power consumption	< 4 W
Input	4 Photocoupler inputs - H: \geq 9-28 VDC $\overline{\text{---}}$, L: \leq 3 VDC $\overline{\text{---}}$
Output signal	NPN-PNP open collector output setting (software)
Insulation resistance	\geq 5 M Ω (500 VDC $\overline{\text{---}}$ megger)
Dielectric strength	500VAC 50/60Hz for 1 minute
Vibration	10 sweep cycles in each X, Y, Z axes at sine wave, 10 to 500 Hz, acceleration 5 G
Environment_Ambient illumination	\leq 80,000 lx
Environment_Ambient temperature	-10 to 50 °C, storage: -30 to 70 °C (no freezing or condensation)
Environment_Ambient humidity	0 to 95 %RH, storage: 0 to 95 %RH (no freezing or condensation)
Protection structure	IP67(IEC standard)
Connector type	Power I / O: M12 12-pin, Ethernet: M12 8-pin
Material	Case: AL, Window: PC
Communication interface	Ethernet