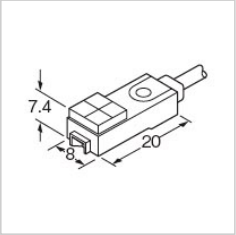
Panasonic

GXL-8FUI-C5 | Micro-size Inductive Proximity Sensor GXL



※Photo may vary from actual product.

RoHS compliant

Product Number	**GXL-8FUI-C5**
Part Number	**GXL-8FUI-C5**
Product name	**Micro-size Inductive Proximity Sensor**
Details	**5 m 16.404 ft cable length type**
Series	**Micro-size Inductive Proximity Sensor GXL**
Features	**High performance in micro-size design**

Spec Detail

As of January 20, 2016

Item	Specifications
Product Number	GXL-8FUI-C5
Part Number	GXL-8FUI-C5
Features	High performance in micro-size design (Note) A different frequency type.
Max. operation distance	2.5 mm 0.098 in plus or minus 20% (Note) The maximum operation distance stands for the maximum distance for which the sensor can detect the standard sensing object.
Stable sensing range	0 to 1.8 mm 0 to 0.071 in (Note) The stable sensing range stands for the sensing range for which the sensor can stably detect the standard sensing object even if there is an ambient temperature drift and/or supply voltage fluctuation.
Standard sensing object	Iron sheet 15 x 15 x t 1 mm 0.591 x 0.591 x t 0.039 in
Hysteresis	20 % or less of operation distance(with standard sensing object)
Repeatability	Along sensing axis, perpendicular to sensing axis: 0.04 mm 0.002 in or less
Supply voltage	12 to 24 V DC plus or minus 10 % Ripple P-P 10 % or less
Current consumption	0.8 mA or less (Note) It is the leakage current when the output is in the OFF state.
Output	Non-contact DC 2-wire type - Load current: 3 to 70 mA (Note 1) - Residual voltage: 3 V or less (Note 2) (Note 1) The maximum load current varies with the ambient temperature. (Note 2) When the cable is extended, the residual voltage becomes larger according to the resistance of the cable. The residual voltage of 5 m 16.404 ft cable length type increases by +0.1 V.
Output:Short-circuit protection	Incorporated
Max. response frequency	1 kHz
2-color indicator	Lights up in green under stable sensing condition Lights up in red under unstable sensing condition
Protection	IP67 (IEC), IP67 g (JEM)
Ambient temperature	-25 to +70 degrees -13 to +158degrees Fahrenheit , Storage: -30 to +80

	degrees -22 to +176degrees Fahrenheit
Ambient humidity	45 to 85 % RH, Storage: 35 to 95 % RH
Voltage withstandability	1,000 V AC for one min. between all supply terminals connected together and enclosure
Insulation resistance	50 MOhm , or more, with 250 V DC megger between all supply terminals connected together and enclosure
Vibration resistance	10 to 55 Hz frequency, 1.5 mm 0.059 in amplitude in X, Y and Z directions for two hours each
Shock resistance	1,000 m/s2 acceleration (100 G approx.) in X, Y and Z directions for three times each
Sensing range variation:Temperature characteristics	Over ambient temperature range -25 to +70 degrees -13 to +158degrees Fahrenheit : Within+15-10 % of sensing range at +20 degrees +68degrees Fahrenheit
Sensing range variation:Voltage characteristics	Within plus or minus 2 % for plus or minus 10 % fluctuation of the supply voltage
Material	Enclosure: PBT Indicator part: Polyalylate
Net weight	Net weight: 12 g approx.
Accessories	MS-GXL8-4(Sensor mounting bracket): 1 set

Accessories

Product Number	**CN-13**
Part Number	**CN-13**
Series	**Connector**

Product Number	**CN-13-C1**
Part Number	**CN-13-C1**
Series	**Connector-attached cable**

Product Number	**CN-13-C3**
Part Number	**CN-13-C3**
Series	**Connector-attached cable**

Product Number	**MS-GXL8-4**
Part Number	**MS-GXL8-4**
Series	**Mounting bracket**