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Sensors

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CX-411-P

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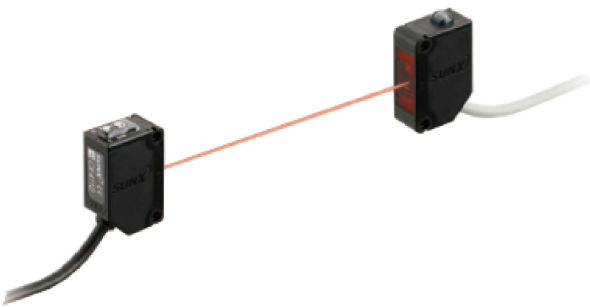
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CX-411-P | Compact
Photoelectric Sensor CX-400 Ver.2

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Catalog/
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*Photo may vary from actual product.



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Technical Inquiries,
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Technical inquiry

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Product Number	CX-411-P
Part Number	CX-411-P
Product	Compact Photoelectric Sensor
Details	Thru-beam
Product Name	Compact Photoelectric Sensor CX-400 Ver.2

Contact Us

Technical inquiry

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Other inquiry

Spec
Detail



Accessories
(Option)



As of April 26, 2025 (JST)
*Specifications and design of the products are subject to change without notice for the product improvement.

Spec Detail

Specifications and design of the products are subject to change without notice for the product improvement.

Item	Specifications
Product Number	CX-411-P
Part Number	CX-411-P
Products Name	Compact Photoelectric Sensor



Item	Specifications
Product details	Thru-beam
The price of the product	Please contact our office
Applicable regulations and certifications	CE Marking (EMC Directive, RoHS Directive), UKCA Marking (EMC Regulations, RoHS Regulations), UL Recognition Certification
Sensing range	10 m 32.808 ft
Sensing object	Ø12 mm Ø0.472 in or more opaque object (Note) If slit masks (optional) are fitted, an object of Ø0.5 mm Ø0.020 in (using round slit mask) can be detected.
Hysteresis	-
Repeatability(perpendicular to sensing axis)	0.5 mm 0.020 in or less
Supply voltage	12 to 24 V DC plus or minus 10 % Ripple P-P 10 % or less
Current consumption	Emitter: 15 mA or less Receiver: 10 mA or less
Output	PNP open-collector transistor - Maximum source current: 100 mA - Applied voltage: 30 V DC or less (between output and +V) - Residual voltage: 2 V



Item	Specifications
	or less (at 100 mA source current), 1 V or less (at 16 mA source current)
Output:Output operation	Switchable either Light-ON or Dark-ON
Output:Short-circuit protection	Incorporated
Response time	1 ms or less
Operation indicator	Orange LED(lights up when the output is ON) (incorporated on the receiver for thru-beam type)
Stability indicator	Green LED(lights up under stable light received condition or stable dark condition) (incorporated on the receiver for thru-beam type)
Power indicator	Green LED(lights up when the power is ON) (incorporated on the emitter)
Sensitivity adjuster	Continuously variable adjuster(incorporated on the receiver for thru-beam type)
Automatic interference prevention function	Two units of sensors can be mounted close together with interference prevention filters. (Sensing range: 5 m 16.404 ft)
Protection	IP67 (IEC)



Item	Specifications
Ambient temperature	- 25 to +55°C -13 to +131°C °F (No dew condensation or icing allowed), Storage: -30 to +70°C -22 to +158°C °F
Ambient humidity	35 to 85 % RH, Storage: 35 to 85 % RH
Ambient illuminance	Incandescent light: 3,000 lx or less at the light-receiving face
Voltage withstandability	1,000 V AC for one min. between all supply terminals connected together and enclosure
Insulation resistance	20 MOhm , or more, with 250 V DC megger between all supply terminals connected together and enclosure
Vibration resistance	10 to 500 Hz frequency, 1.5 mm 0.059 in amplitude (10 G max.) in X, Y and Z directions for two hours each
Shock resistance	500 m/s ² acceleration (50 G approx.) in X, Y and Z directions three times each
Emitting element (modulated)	Red LED
Emitting element (modulated):Peak emission wavelength	680 nm 0.027 mil
Material	Enclosure: PBT (polybutylene



Item	Specifications
	terephthalate) Lens: acrylic Indicator cover: acrylic
Cable	0.2 mm ² 3-core (emitter: 2-core) cabtyre cable, 2 m 6.562 ft long
Cable extension	Extension up to total 100 m 328.084 ft is possible with 0.3 mm ² , or more, cable (both emitter and receiver).
Weight	Net weight: 95 g approx. Gross weight: 100 g approx.
Accessory	-

Accessories (Option)

	Product number	Part number	Product	D
No image	MS-AJ1	MS-AJ1	-	-
No image	MS-AJ1-A	MS-AJ1-A	-	-
No image	MS-AJ1-M	MS-AJ1-M	-	-



	Product number	Part number	Product	Discontinued
<div>No image</div>	MS-AJ2	MS-AJ2	-	-

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CX-400 Ver.2

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