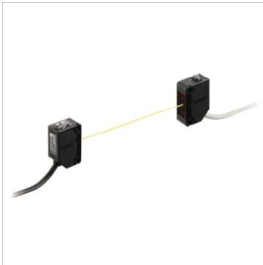


CX-413-P-Z | Compact Photoelectric Sensor CX-400 Ver.2

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*Photo may vary from actual product.

RoHS compliant

Dimensions Accessories (Option)

Product Number	CX-413-P-Z + Favorite
Part Number	CX-413-P-Z
Product Name	Compact Photoelectric Sensor
Details	Thru-beam(Long sensing range)
Series	Compact Photoelectric Sensor CX-400 Ver.2
Features	Upgrade CX-400 series are environmentally and user friendly.

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FAQ

As of July 29, 2015

Spec Detail

Item	Specifications
Product Number	CX-413-P-Z
Part Number	CX-413-P-Z
Features	Upgrade CX-400 series are environmentally and user friendly.
Sensing range	30 m 98.425 ft
Sensing object	dia. 12 mm dia. 0.472 in or more opaque object (Note) If slit masks (optional) are fitted, an object of dia. 0.5 mm dia. 0.020 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: 25 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 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	2 ms or less

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TOUGH for Mobiles



MID Solutions (MIPTEC/LDS)



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	-
Protection	IP67 (IEC)
Ambient temperature	- 25 to +55 degrees -13 to +131 degrees Fahrenheit (No dew condensation or icing allowed), Storage: -30 to +70 degrees -22 to +158 degrees Fahrenheit
Ambient humidity	35 to 85 % RH, Storage: 35 to 85 % RH
Ambient illuminance	Incandescent light: 3,000 lx 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/s2 acceleration (50 G approx.) in X, Y and Z directions for three times each
Emitting element (modulated)	Infrared LED
Emitting element (modulated):Peak emission wavelength	850 nm 0.033 mil
Material	Enclosure: PBT (polybutylene terephthalate) Lens: acrylic Indicator cover: acrylic
Accessory	-

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Accessories (Option)

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Product Number	CHX-SC2
Part Number	CHX-SC2
Series	Sensor Checker CHX-SC2

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Product Number	CN-24A-C2
Part Number	CN-24A-C2
Series	Cable

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Product Number	CN-24A-C5
Part Number	CN-24A-C5
Series	Cable

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