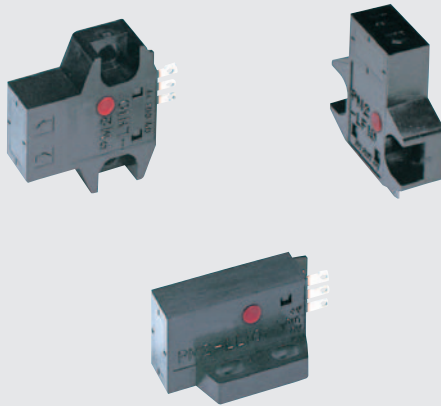


PM2 SERIES

Related Information

- General terms and conditions..... F-13
- Sensor selection guide P.427~
- Glossary of terms..... P.1455~
- General precautions P.1458~

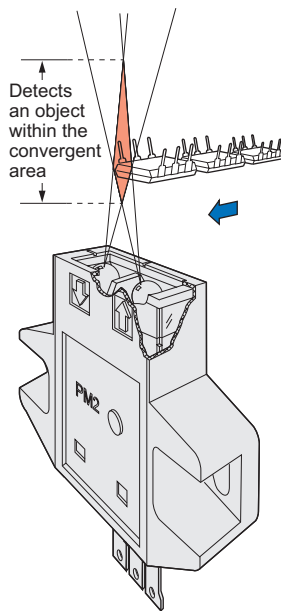


panasonic.net/id/pidsx/global

Convergent reflection sensing ensures stable detection

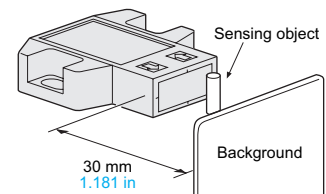
Stable detection by convergent reflective mode

Stable detection characteristics are obtained since it is convergent reflective type and senses a limited area.



Hardly affected by background

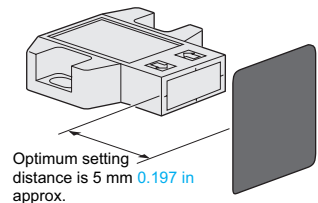
Even a specular background does not affect the sensing performance if the sensor is located 30 mm 1.181 in away from it.



(However, the specular background should be a plane surface, directly facing the sensor. A spherical or curved background may be detected.)

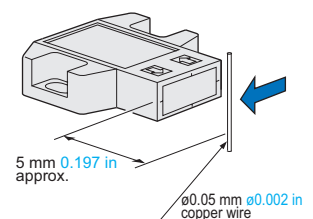
Dark object detectable

Since the sensor is very sensitive, it can detect even a dark object of low reflectivity.



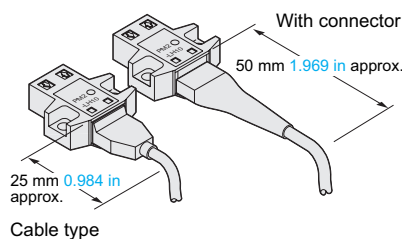
Minute object detectable

A $\phi 0.05$ mm $\phi 0.002$ in copper wire can be detected at a distance of 5 mm 0.197 in under the optimum condition.



Cable type is also available

Cumbersome soldering is not required. It saves space and improves reliability.



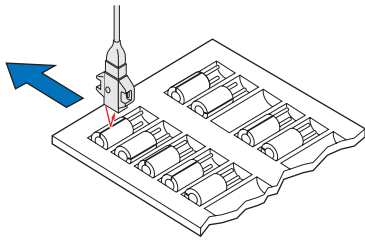
Cable type

- Selection Guide
- U-shaped
- Convergent Reflective

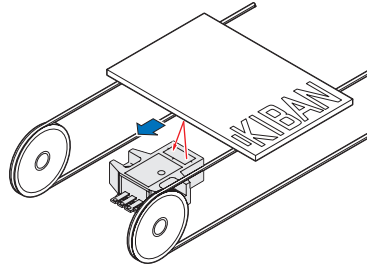
PM2

APPLICATIONS

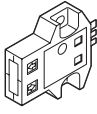
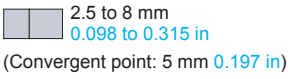
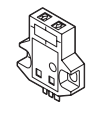
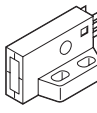
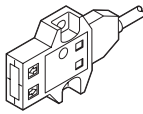
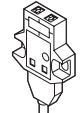
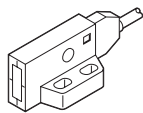
Sensing capacitors in a tray



Positioning and passage confirmation of a printed circuit board



ORDER GUIDE

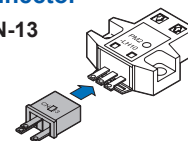
Type	Appearance	Sensing range	Model No.	Output	Output operation
Connector type	Top sensing 	 2.5 to 8 mm 0.098 to 0.315 in (Convergent point: 5 mm 0.197 in)	PM2-LH10	NPN open-collector transistor	Light-ON
	Front sensing 		PM2-LH10B		Dark-ON
	L type (Top sensing) 		PM2-LF10		Light-ON
PM2-LF10B			Dark-ON		
Cable type	Top sensing 		PM2-LL10		Light-ON
	Front sensing 		PM2-LL10B		Dark-ON
			PM2-LH10-C1		Light-ON
	L type (Top sensing) 		PM2-LH10B-C1		Dark-ON
			PM2-LF10-C1		Light-ON
			PM2-LF10B-C1		Dark-ON
	PM2-LL10-C1		Light-ON		
	PM2-LL10B-C1		Dark-ON		

OPTIONS

Designation	Model No.	Description
Connector	CN-13	Dedicated connector
Connector attached cable	CN-13-C1	0.2 mm ² 3-core cabtyre cable, 1 m 3.281 ft long
	CN-13-C3	0.2 mm ² 3-core cabtyre cable, 3 m 9.843 ft long

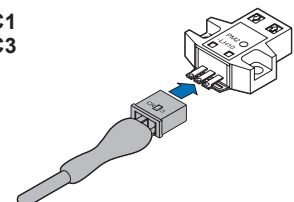
Connector

- **CN-13**



Connector attached cable

- **CN-13-C1**
- **CN-13-C3**



FIBER SENSORS

LASER SENSORS

PHOTO-ELECTRIC SENSORS

MICRO PHOTO-ELECTRIC SENSORS

AREA SENSORS

LIGHT CURTAINS / SAFETY COMPONENTS

PRESSURE / FLOW SENSORS

INDUCTIVE PROXIMITY SENSORS

PARTICULAR USE SENSORS

SENSOR OPTIONS

SIMPLE WIRE-SAVING UNITS

WIRE-SAVING SYSTEMS

MEASUREMENT SENSORS

STATIC ELECTRICITY PREVENTION DEVICES

LASER MARKERS

PLC

HUMAN MACHINE INTERFACES

ENERGY CONSUMPTION VISUALIZATION COMPONENTS

FA COMPONENTS

MACHINE VISION SYSTEMS

UV CURING SYSTEMS

Selection Guide

U-shaped

Convergent Reflective

PM2