

PC50CND10RP

Carlo Gavazzi Photoelectric Sensor Diffuse Reflective Plastic Rectangular SN ACDC NONC Range-1m 2m



NON-CONTACT SENSORS



Component type	Diffuse reflective photoelectric sensor
Range	Photoelectric Sensor
Model	N/A
Product status	Existing

The Carlo Gavazzi Photoelectric Sensors are ideal for long distance sensing or if the item is non-metal. Designed for harsh environments and for applications such as material handling, packaging machinery and automatic door systems. Fitting the requirements of virtually any application including diffuse-reflective, background suppression, retro-reflective, for transparent objects and through-beam.

Setting procedure	Manual adjustment
Voltage type	AC/DC
Rated control supply voltage U_s at AC 50HZ	24 - 240 V
Rated control supply voltage U_s at AC 60HZ	24 - 240 V
Rated control supply voltage U_s at DC	12 - 240 V
Type of switching output	Relay contact
Max. output current	0.2 mA
Response time	1.0 ms
Type of electric connection	Cable
Number of conductors	4.0
Analogue output 0 V ... 10 V	No
Analogue output 0 mA ... 20 mA	No
Analogue output 4 mA ... 20 mA	No
Analogue output -10 V ... +10 V	No
With other analogue output	No
Number of semiconductor outputs with signalling function	0.0
Number of contact energized outputs with signalling function	0.0
Number of protected semiconductor outputs	0.0
Number of protected contact energized outputs	0.0
Type of switch function	Change-over contact (NO/NC)
Max. output current at protected output	3000.0 mA
Switching frequency	20.0 Hz
Type of safety according to IEC 61496-1	1
Switching voltage of OSSD at state "high"	0.0 V

ELECTRICAL

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COMMUNICATION

With communication interface analogue	No
With communication interface AS-Interface	No
With communication interface CANOpen	No
With communication interface DeviceNet	No
With communication interface Ethernet	No
With communication interface INTERBUS	No
With communication interface PROFIBUS	No
With communication interface RS-232	No
With communication interface RS-422	No
With communication interface RS-485	No
With communication interface SSD	No
With communication interface SSI	No
Type of interface for safety communication	Other

CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Cuboid
Degree of protection (IP)	IP67
AWG-number	22.0
Material of cable sheath	Polyvinyl chloride (PVC)
With restart blockage	No
Suitable for safety functions	No
Degree of protection (NEMA)	1
With reflector	No
Operation agent-safety class	Safety class 0

MECHANICAL

With monitoring function downstream switching devices	No
With time function	No

PHOTOMETRIC

Sensing type	Standard diffuse
Type of light	Infrared light
Type of optical signal	Continuous light
Wavelength of the sensor	880.0 nm
Beam angle	4.0 °
Max. switching distance	1000.0 mm
Sensing mode	Light-/dark switching
Laser protection class	None
Transmission range of the safety field	0.0 m

DIMENSIONS

Diameter sensor	0.0 mm
Width sensor	17.0 mm
Height of sensor	50.0 mm
Length of sensor	50.0 mm
Min. reflector distance	0.0 mm

ENVIRONMENT

Ambient temperature	-20 - 60 °C
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CERTIFICATES/APPROVALS

Explosion safety category for gas	None
Explosion safety category for dust	None