

PA18CAD10NASA

Carlo Gavazzi Photoelectric Sensor Diffuse Reflective Plastic
M18 DC NPN NONC Range-1m 2m



NON-CONTACT SENSORS



Component type	Diffuse reflective photoelectric sensor
Range	Photoelectric Sensor
Model	N/A
Alternative	CALL FOR ALTERNATIVE

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.

ELECTRICAL

Setting procedure	Manual adjustment
Voltage type	DC
Rated control supply voltage U_s at AC 50HZ	0-0 V
Rated control supply voltage U_s at AC 60HZ	0-0 V
Rated control supply voltage U_s at DC	10-30 V
Type of switching output	NPN
Max. output current	0.1 mA
Type of electric connection	Cable
With other analogue output	No
Number of semiconductor outputs with signalling function	2
Number of contact energized outputs with signalling function	0
Number of protected semiconductor outputs	2
Number of protected contact energized outputs	0
Type of switch function	Anticoincidence
Max. output current at protected output	100 mA
Switching frequency	500 Hz
Type of safety according to IEC 61496-1	1
Switching voltage of OSSD at state "high"	0 V

COMMUNICATION

Type of interface for safety communication	Other
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CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Cylinder, screw-thread
IP rating	IP67
AWG-number	23

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CONSTRUCTION	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	Polarity free red light
	Wavelength of the sensor	625 nm
	Max. switching distance	1000 mm
	Sensing mode	Light-/dark switching
	Laser protection class	None
	Transmission range of the safety field	0 m
DIMENSIONS	Diameter sensor	18 mm
	Width sensor	0 mm
	Height of sensor	0 mm
	Length of sensor	40 mm
	Thread size	18 mm
	Min. reflector distance	0 mm
ENVIRONMENT	Ambient temperature	-25...60 °C
CERTIFICATES/APPROVALS	Explosion safety category for gas	None
	Explosion safety category for dust	None