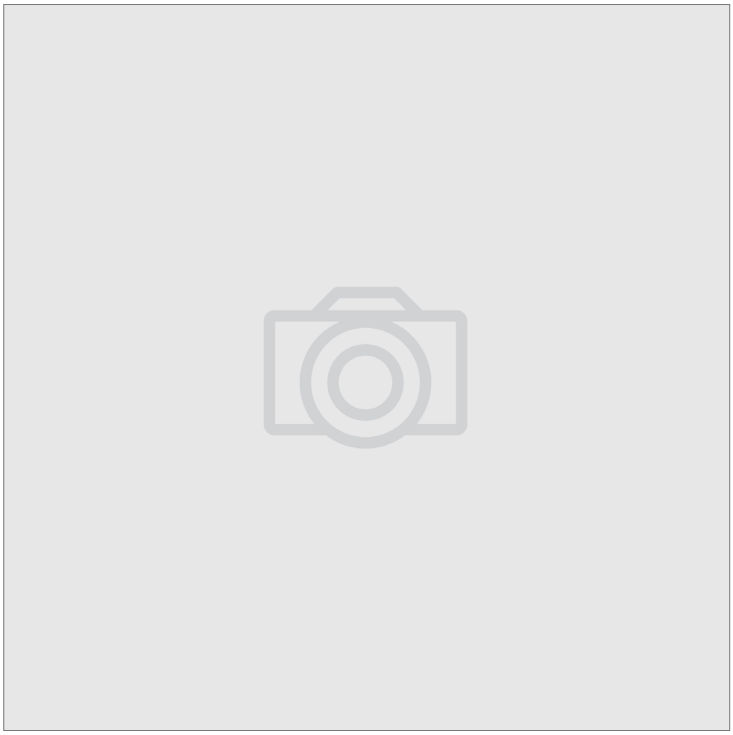
NPA18ALD04TCM6S

Carlo Gavazzi Photoelectric Sensor Diffuse Reflective Metal M18 SCR NC400mm Distance Adjustable

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	AC
	Rated control supply voltage Us at AC 50HZ	20-250 V
	Rated control supply voltage Us at AC 60HZ	250-20 V
	Rated control supply voltage Us at DC	0-0 V
	Type of switching output	Relay contact
	Max. output current	0.5 mA
	Response time	20 ms
	Type of electric connection	Connector M12
	Number of conductors	2
	With other analogue output	No
	Number of semiconductor outputs with signalling function	1
	Number of contact energized outputs with signalling function	0
	Number of protected semiconductor outputs	0
	Number of protected contact energized outputs	0
	Type of switch function	Breaker contact (NC)
	Max. output current at protected output	500 mA
	Switching frequency	20 Hz
	Type of safety according to IEC 61496-1	1
	Switching voltage of OSSD at state “high”	250 V
COMMUNICATION	**Type of interface for safety communication**	Other
CONSTRUCTION	**Material of optical surface**	Plastic
	Material housing	Metal
	Construction type housing	Cylinder, screw-thread

Published on 14 July 2026

NPA18ALD04TCM6S

Carlo Gavazzi Photoelectric Sensor Diffuse Reflective Metal M18 SCR NC400mm Distance Adjustable

NON-CONTACT SENSORS

CONSTRUCTION	IP rating	IP67
	AWG-number	20
	Material of cable sheath	Other
	With restart blockage	No
	Suitable for safety functions	No
	Degree of protection (NEMA)	Other
	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
	Wavelength of the sensor	880 nm
	Max. switching distance	400 mm
	Sensing mode	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	71.5 mm
	Thread size	18 mm
	Min. reflector distance	0 mm
ENVIRONMENT	Ambient temperature	-20…60 °C
CERTIFICATES/APPROVALS	Explosion safety category for gas	None
	Explosion safety category for dust	None

Published on 14 July 2026