

Catalogue No: PA18ALD04TOSA

PHOTO DIFFUSE-REFLECTIVE METAL M18 400mm AC SCR NO 2M CABLE

Field Switching and Sensing > Non Contact Sensors > Photoelectric Sensors > Carlo Gavazzi Photoelectric sensors > Diffuse > Series PA18 - Diffuse



PA Series Diffuse-reflective Photoelectric Sensor, modulated infrared light M18 nickel-plated brass housing, 20 to 250V AC power supply, 500mA SCR NC output, 400mm sensing range, IP67 rating, M12 plug 2m pre-wired cable



- Specialised versions available with long sensing range of 2m
- The sensors feature two outputs normally open (NO) and normally closed (NC) in a single sensor
- Short-circuit, reverse polarity and overload protected
- Specialised versions available with a built-in timer
- The sensors are available with 2m cable, quick disconnect 4-pin M12 connector or a terminal connection

Representative Photo Only
(actual product may vary based on configuration selections)

SPECIFICATIONS

Product Series	PA
Component Type Field Switching & Sensing	Photoelectric Sensor
Sensing Mode	Diffuse
Light source type	LED
Illumination Mode	Continuous
Colour, light source	Infrared (880nm)
Beam Angle / Field of View	50 ° (degrees)
Material, Lens	Luran
Material, Body / Housing	Nickel-Plated Brass material
Shape	Cylindrical - Threaded
Diameter	18 mm
Length	83.5 mm
Orientation	Straight Through
Mounting (Multiple)	Mounting Bracket (Included) Mounting Nuts (Included)
Thread Size	M18 x 1 size
Teach Mode / Sensitivity Adjustment	Single-Turn Knob / Potentiometer sensitivity
Sensing Distance, Max	400 mm max
Operating Range(s)	20 ... 250V AC
Ue, Rated Operational Voltage, AC, min	20 V AC
Ue, Rated Operational Voltage, AC, max	250 V AC
Switching Mode	N/O
Output Type	SCR
Load Current	0.5 A
Response Time (Off → On)	20 ms
Response Time (On → Off)	30 ms
Switching/Operating Frequency	20 Hz
Connection / Termination	Built-in cable with flying leads

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Number of Conductors	2 qty
Length, Cable	2 m
Material, cable jacket	PVC material
Colour, Cable Jacket	Grey colour
Operating Temperature, Min	-20 °C min
Operating Temperature, Max	60 °C max
Storage Temperature, Min	-30 °C min
Storage Temperature, Max	70 °C max
IP Rating	IP67
Shock Rating	IEC 60068-2-32
Vibration Acceleration (Max.)	7.5 m/s ²
Vibration Displacement (Peak to Peak Max.)	0.5 mm
Vibration Frequency, Operational (Max.)	150 Hz
Vibration Rating	IEC 60068-2-6

REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	PA18ALD04TCM6SA
Manufacturer Catalogue & Product Selection:	-