

## Product Description

The PA18ALD.. is a family of general purpose diffusereflective sensors in industrial standard 18 mm cylindrical nickel-plated brass housing for heavy duty applications. They are useful for simple applications where a basic
sensor provides adequate sensing performance. The sensors are easy to adjust with $270^{\circ}$ single-turn potentiometer. The output is a 2 wire NO or NC thyristor (SCR) output.

- Range: 400 mm adjustable
- Modulated, infrared light
- Supply voltage: 20 to 250 VAC
- Output: 500 mA SCR
- Make or break switching function, LED indication
- High immunity to ambient light
- Heavy duty M18 metal housing, IP67
- Cable and plug versions



## Ordering Key PA18ALD04TOM6SA

## Type

Housing style
Housing size
Housing material
Housing length
Detection principle
Sensing distance
Output type
Output configuration
Connection type
Adjustable

## Specifications (cont.)

| Housing material | (IEC 60364-4-41) |
| :--- | :--- |
| Body <br> Front <br> Cable end <br> Nuts | Nickel-plated brass <br> Luran®, black <br> Polyester, black <br> Nickel-plated brass |
| Connection <br> Cable | Grey, $2 \mathrm{~m}, 2 \times 0.5 \mathrm{~mm}^{2}$, <br> oilproof PVC, <br> M12 1 <br> CON.6A-... series |
| Plug <br> Cables for plug (-6) | 150 g <br> Weight <br> Cable version <br> Plug version <br> Approvals |
|  | UL, CSA |

Dimensions


## Operation Diagram

Power supply
Object present, light received
Output ON: Make switching (NO)

## Wiring Diagrams



## Delivery Contents

- Photoelectric switch: PA18ALD04..
- 2 nuts
- Packaging: plastic bag


## Detection Diagram



## Accessories

- Connector type CON.6A-.. series.
- Screw driver for adjustments: 77-000
- MB18A
- APA18-RAR

For further informations refer to "Accessories"

## Installation Hints



