

Catalogue No: 42CA-D1MPAL-D4

DIFF 10-30VDC INFRARED 0-1m LO/DO PNP DC-MICRO-4

Field Switching and Sensing > Non Contact Sensors > Photoelectric Sensors > Allen-Bradley Photoelectric Sensors > Digital Diffuse Sensors > 18mm Cylindrical



Photoelectric diffuse sensor 10-30VDC Infrared 0-1m LO/DO PNP DC-MICRO-4



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

- Comprehensive range of photoelectric sensing technologies available which include retroreflective, through-beam, diffuse, background suppression, clear object detection, colour detection and fibre-optics
- Extensive range of photoelectric sensors with laser light source available suitable for high precision applications
- Extensive range of housing styles and mounting options
- Specialised versions with IP69k rating available for high-pressure washdown applications in the food and beverage industry
- Specialised long-range laser sensors available for distance measurement applications
- Specialised versions available with IO-Link technology. This technology enables the data delivery from the sensor directly into a control system in a very efficient manner

SPECIFICATIONS

Product Series	42CA 18 mm Plastic Cylindrical
Component Type Field Switching & Sensing	Photoelectric Sensor
Sensing Mode	Diffuse
Material, Lens	PMMA / Acrylic / Perspex / Plexiglas (Polymethyl methacrylate)
Shape	Cylindrical - Threaded
Diameter	18 mm
Length	79.4 mm
Orientation	Straight Through
Mounting (Multiple)	Mounting Nuts (Included) Mounting Bracket (Ordered Separately)
Thread Size	M18 x 1 size
Teach Mode / Sensitivity Adjustment	Single-Turn Knob / Potentiometer sensitivity
Sensing Distance, Max	1000 mm max
Ue, Rated Operational Voltage, DC, min	10 V DC
Ue, Rated Operational Voltage, DC, max	30 V DC
Switching Mode	Light & Dark Operate
Output Type	PNP
Connection / Termination	M12 x 1, DC Micro, 4-pin
Number of Conductors	4 qty
Operating Temperature, Min	-25 °C min
Operating Temperature, Max	70 °C max
Humidity Type	Non-condensing
IP Rating	IP67

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REFERENCES

IECEX Certificate -

Supplier Declaration of
Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue
& Product Selection: -