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





DC-MICRO-4Comprehensive range of photoelectric sensing

 Comprehensive range of photoelectric sensing technologies available which include retroreflective, through-beam, diffuse, background suppression, clear object detection, colour detection and fibre-optics

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

- Extensive range of photoelectric sensors with laser light source available suitable for high precisions 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

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

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 Ruts (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		
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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	Diameter	18 mm
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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 Operating Temperature, Max 70 °C max Humidity Type Non-condensing	Mounting (Multiple)	
Sensing Distance, Max Ue, Rated Operational Voltage, DC, min 10 V DC Ue, Rated Operational Voltage, DC, max 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 Operating Temperature, Max To °C max Humidity Type Non-condensing	Thread Size	M18 x 1 size
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 Operating Temperature, Max 70 °C max Humidity Type Non-condensing	Teach Mode / Sensitivity Adjustment	Single-Turn Knob / Potentiometer sensitivity
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 Operating Temperature, Max 70 °C max Humidity Type Non-condensing	Sensing Distance, Max	1000 mm max
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 Operating Temperature, Max To °C max Humidity Type Non-condensing	Ue, Rated Operational Voltage, DC, min	10 V DC
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	Ue, Rated Operational Voltage, DC, max	30 V DC
Connection / Termination M12 x 1, DC Micro, 4-pin Number of Conductors 4 qty Operating Temperature, Min Operating Temperature, Max 70 °C max Humidity Type Non-condensing	Switching Mode	Light & Dark Operate
Number of Conductors 4 qty Operating Temperature, Min Operating Temperature, Max 70 °C max Humidity Type Non-condensing	Output Type	PNP
Operating Temperature, Min Operating Temperature, Max 70 °C max Humidity Type Non-condensing	Connection / Termination	M12 x 1, DC Micro, 4-pin
Operating Temperature, Max 70 °C max Humidity Type Non-condensing	Number of Conductors	4 qty
Humidity Type Non-condensing	Operating Temperature, Min	-25 °C min
	Operating Temperature, Max	70 °C max
IP Rating IP67	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:	-

