

CR Series Capacitive Proximity Sensors



Rectangular plastic - DC

- Low profile housing ideal for sight glass applications
- N.O./N.C. selectable
- IP65/IP67 rated
- LED status indicators
- Auto-detect circuit
- Push button teach
- Mounting accessories available

CR Series Capacitive Prox Selection Chart

Part Number	Price	Sensing Distance	Mounting	Output State	Logic	Connection	Wiring	Dimensions
CR1-00-2A	\$63.00	12 mm (0.47 in)	Non-flush	N.O./N.C.	NPN/PNP	2m (6.56 ft.) axial cable	Diagram 1	Figure 1

CR1-00-2A Specifications

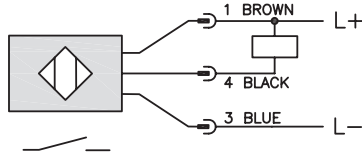
Mounting Type	Non-flush
Nominal Sensing Distance	12mm (0.47 in)
Operating Distance	NA
Material Correction Factors	NA
Output Type	NPN/PNP; N.O./N.C.
Operating Voltage	10 to 36VDC
No-load Supply Current	< 17mA
Operating (Load) Current	100mA
Off-state (Leakage) Current	NA
Voltage Drop	< 2.5V
Switching Frequency	10Hz
Differential Travel (% of Nominal Distance)	NA
Repeat Accuracy	NA
Ripple	NA
Time Delay Before Availability (tv)	NA
Reverse Polarity Protection	Yes
Short-circuit Protection	Yes, pulsed
Operating Temperature	-25 to 80°C (-13 to 176°F)
Protection Degree (DIN 40050)	IEC IP65/IP67
Indication/Switch Status	Yellow (output energized)
Housing Material	Polybutylene Terephthalate (PBT)
Sensing Face Material	Polybutylene Terephthalate (PBT)
Shock/Vibration	DIN EN 60947-5-2
Tightening Torque	NA
Weight	92g (3.25 oz)
Connectors	2m (6.56 ft) axial cable
Agency Approvals	cULus file E328811, CE, RoHS

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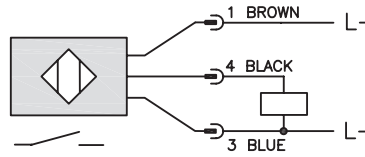
Wiring diagrams

Diagram 1

NPN Output



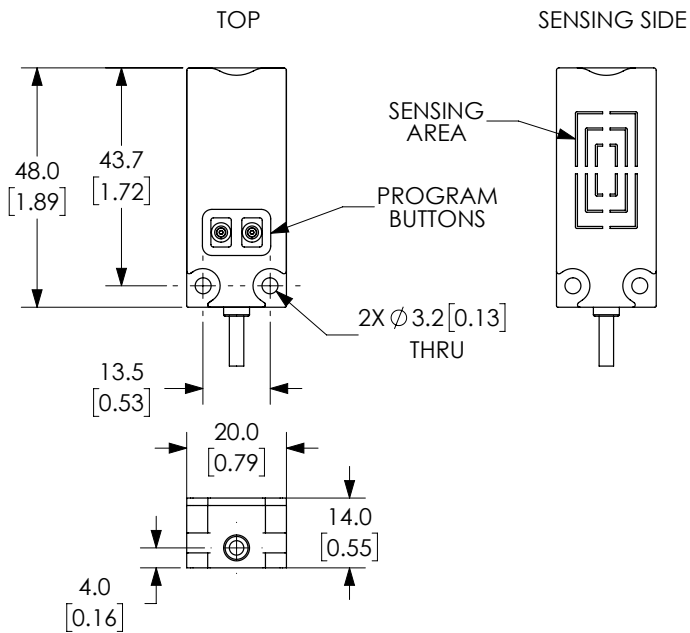
PNP Output



Dimensions

mm [inches]

Figure 1



See our website: www.AutomationDirect.com for complete engineering drawings

