

CR Series Capacitive Proximity Sensors

Rectangular plastic - DC



- Low profile housing ideal for sight glass applications
- NO/NC selectable
- IP65/IP67 rated
- LED status indicators
- Lifetime warranty
- Auto-detect circuit
- Push button teach
- Mounting accessories available

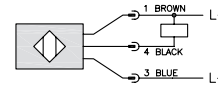
CR Series Capacitive Prox Selection Chart								
Part Number	Price	Sensing Distance	Housing	Output State	Logic	Connection	Wiring	Dimensions
CR1-00-2A	\$59.00	12 mm (0.472 in)	Unshielded	NO/NC	NPN/PNP	2 m (6.5 ft.) axial cable	Diagram 1	Figure 1

CR Series Specifications	CR1-00-2A
Mounting Type	Unshielded
Nominal Sensing Distance	12 mm (0.472 in)
Operating Distance	NA
Material Correction Factors	
Output Type	NPN/PNP; NO/NC
Operating Voltage	10 to 36 VDC
No-load Supply Current	<17 mA
Operating (Load) Current	100 mA
Off-state (Leakage) Current	NA
Voltage Drop	<2.5V
Switching Frequency	10Hz
Differential Travel (% of Nominal Distance)	
Repeat Accuracy	NA
Ripple	
Time Delay Before Availability (tv)	
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	
Shock/Vibration	See Proximity Sensor Terminology
Tightening Torque	NA
Weight	92g (3.25 oz)
Connectors	2 meter axial cable
Agency Approvals	cULus file E328811, CE, RoHS

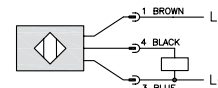
Wiring diagrams

Diagram 1

NPN Output

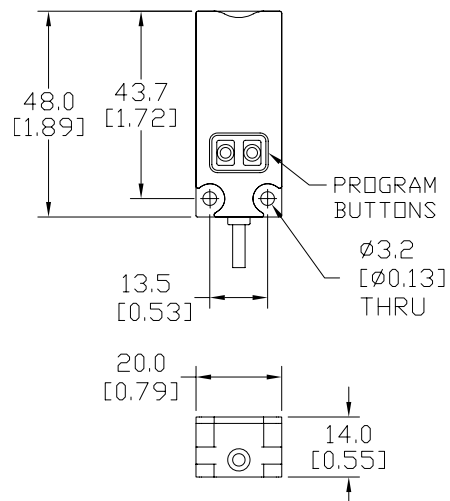


PNP Output



Dimensions mm [inches]

Figure 1



Capacitive Proximity Sensors - Accessories



Mounting Well

Mounting Adapter

Capacitive Proximity Sensors Accessory Chart				
Part Number	Price	Description	Material	Dimensions
Mounting Adapter				
CR1-ADPTR	\$4.00	Adapter for CR1 series capacitive sensors	Housing: Polybutylene Terephthalate (PBT) Included Screws: M3 x 6 Steel (0.5 Nm)	Figure 1
Mounting Wells				
MWT-01	\$43.00	30 mm sensor mounting well	PTFE - Polytetrafluoroethylene (Teflon®) Temp: -25° to 246°C (-13° to 474.8°F) Max. pressure: 100 PSI (6.9 bar)	Figure 2
MWK-01	\$35.00	18 mm sensor mounting well		Figure 3

Dimensions mm[inches]

Figure 1

CR1 Adapter

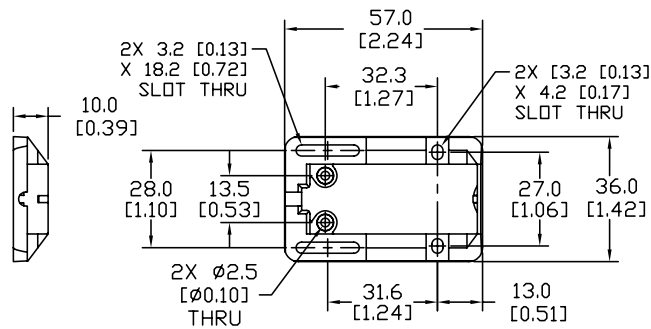


Figure 2

30mm Sensor Mounting Well

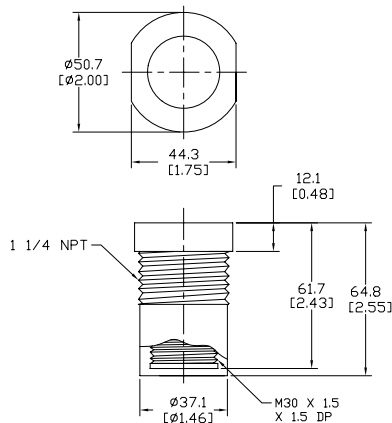


Figure 3

18mm Sensor Mounting Well

