

TURCK

Q-Pak, Rectangular Inductive Sensors

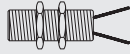
Q14



Rectangular Sensors, Plastic


Plastic Housing with Potted-In Cable & Optional Molded Connector

2-Wire AC/DC



20-250 VAC, 10-300 VDC; Short-Circuit and Overload Protected
Normally Open

Sensor Selection

Part Number	Embeddable	Rated Operating Distance (mm)	Housing Height (mm)	Normally Open	Drawing #	Wiring Diagram	# of LEDs	Weld Field Immune (/S34)	Switching Frequency (Hz)	ID Number	Connection
Bi10-Q14-ADZ32X2 Bi10-Q14-ADZ32X2/S34	• •	10 10	14 14	• •	1 1	A A	2 2	•	60 30	M4256220 M4256225	2 meter cable, PVC jacket; 22 AWG copper conductors, PVC insulated.
Bi10-Q14-ADZ32X2-0.2M-SB 3T Bi10-Q14-ADZ32X2/S34-0.2M-SB 3T	• •	10 10	14 14	• •	2 2	B B	2 2	•	60 30	M4256290 M4256294	 microfast Mating Cordsets KB 3T-2 (2 meter) For other styles see "Cordsets" catalog.

Material

Housing: PBT-GF30-V0 Plastic
Sensing Face: PBT-GF30-V0 Plastic
Connector: Chrome Plated Brass

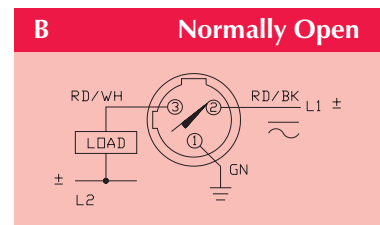
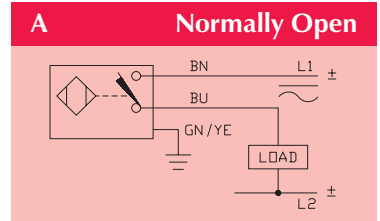
Accessories

Accessories and mounting devices can be found on pages 51 and 52.

Specifications

Line Frequency	60 Hz
Differential Travel (Hysteresis)	3-15% (5% typical)
Voltage Drop Across Conducting Sensor	≤6.0 V at 100 mA
Continuous Load Current	≥100 mA
Trigger Current for Overload Protection	±220 mA
Off-State (Leakage) Current	<1.7 mA
Minimum Load Current	≥3.0 mA
Inrush Current	≤1.0 A (≤30 ms, 15% Duty Cycle)
Time Delay Before Availability	≤60 ms
Power-On Effect	Per IEC 947-5-2
Reverse Polarity Protection	Incorporated
Wire-Break Protection	Incorporated
Transient Protection	Per EN 60947-5-2
Operating Temperature	-25°C to +70°C (-13°F to +158°F)
Enclosure	Meets NEMA 1,3,4,6,13 and IEC IP 67
Shock	30 g, 11 ms
Vibration	55 Hz, 1 mm Amplitude in all 3 Planes
Repeatability	±2% of Rated Operating Distance
LED On (Green)	Power On
LED On (Red)	Output Energized

Wiring Diagrams



Dimensions

