
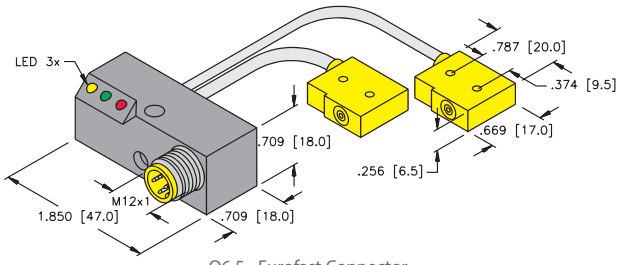
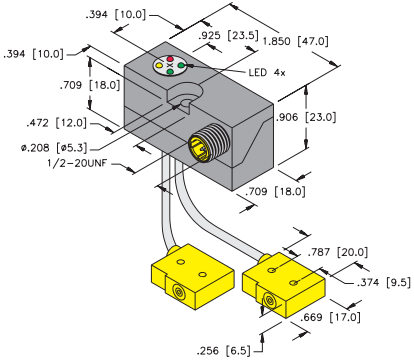
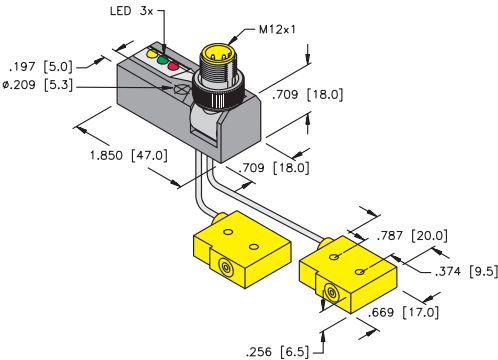
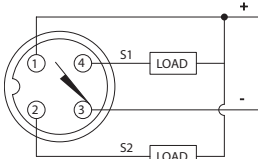
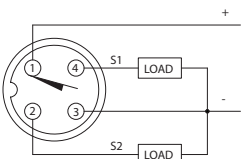
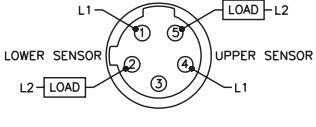


Cylinder Position Sensors | Q6.5

Power Clamp Position Sensors

Housing Style		Dimension Drawings	
		 <p>Q6.5 - Eurofast Connector</p>	
 <p>Q6.5 - Microfast Connector</p>		 <p>Q6.5 - Eurofast Connector</p>	
Wiring Diagrams/Mating Cordsets			
<p>1</p>  <p>Mating Cordset: RK 4.4T-*</p>	<p>2</p>  <p>Mating Cordset: RK 4.4T-*</p>	<p>3</p>  <p>Mating Cordset: KB 5T-*</p>	
A4 3 and 4-wire DC - (AN, RN, AP, RP, VN, VP)			
<p>Ripple: ≤10%</p> <p>Differential Travel (Hysteresis): 3-15% (5% typical)</p> <p>Voltage Drop Across Conducting Sensor: ≤1.8 V</p> <p>Trigger Current for Short Circuit Protection: ≥220 mA on 200 mA Load Current ≥170 mA on 150 mA Load Current ≥120 mA on 100 mA Load Current</p> <p>Off-State (Leakage) Current: ≤0.1 mA</p> <p>No-Load Current: ≤15 mA (Ferrite, Uprox) ≤20 mA (Uprox+, Uprox 3)</p>	<p>Time Delay Before Availability: ≤8 ms</p> <p>Power-On Effect: Per IEC 947-5-2</p> <p>Reverse Polarity Protection: Incorporated</p> <p>Wire-Break Protection: Incorporated</p> <p>Transient Protection: Per EN 60947-5-2</p> <p>Temperature Drift: ≤±10%</p> <p>Shock: 30 g, 11 ms</p> <p>Vibration: 55 Hz, 1 mm Amplitude in all 3 Planes</p> <p>Repeatability: ≤2% of Rated Operating Distance</p>		
A5 2-wire AC/DC w/ Short-Circuit Protection - (ADZ, RDZ, FDZ, VDZ)			
<p>Line Frequency: ≥50... ≤60 Hz</p> <p>Differential Travel (Hysteresis): 3-15% (5% typical)</p> <p>Voltage Drop Across Conducting Sensor: ≤6.0 V</p> <p>Trigger Current for Short Circuit Protection: AC: ≥440 mA; DC: ≥330 mA AC: ≥120 mA; DC: ≥120 mA</p> <p>Continuous Load Current: AC: ≤400 mA; DC: ≤300 mA AC: ≤100 mA; DC: ≤100 mA</p> <p>Off-State (Leakage) Current: ≤1.7 mA (AC) ≤1.5 mA (DC)</p>	<p>Minimum Load Current: ≥3.0 mA</p> <p>Inrush Current: ≤3 A (≤20 ms, max 5 Hz)</p> <p>Power-On Effect: Per IEC 947-5-2</p> <p>Transient Protection: Per EN 60947-5-2</p> <p>Shock: 30 g, 11 ms</p> <p>Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes</p> <p>Repeatability: ≤2% of Rated Operating Distance</p>		

We reserve the right to make technical alterations without prior notice.

Cylinder Position Sensors | Q6.5

Power Clamp Position Sensors

Part Number/ ID Number	Features	Output	Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Cable Length/Jacket	Dimension Drawings	Wiring Diagrams	Spec List
Ni2-Q6.5-AN6-0.1-FS4.4X3/S304 1650079		4-wire DC, NPN	10-30 VDC	30	≤ 500	-25 to +70	IP67	PBT	0.1M/TPU	A	1	A4
Ni2-Q6.5-AN6-0.16-FS4.4X3/S304 1650085		4-wire DC, NPN	10-30 VDC	30	≤ 150	-25 to +70	IP67	PBT	0.16M/TPU	A	1	A4
Ni2-Q6.5-AP6-0.1-FS4.4X3/S304 1650048		4-wire DC, PNP	10-30 VDC	30	≤ 150	-25 to +70	IP67	PBT	0.1M/TPU	A	2	A4
Ni2-Q6.5-AP6-0.16-FS4.4X3/S304 1650086		4-wire DC, PNP	10-30 VDC	30	≤ 150	-25 to +70	IP67	PBT	0.16M/TPU	A	2	A4
Ni2-Q6.5-AP6-0.2-FS4.4X3/S304 1650047		4-wire DC, PNP	10-30 VDC	30	≤ 150	-25 to +70	IP67	PBT	0.2M/TPU	A	2	A4
Ni2-Q6.5-0.1-BDS-2AP6X3-H1141/S34 1650098	WFI	4-wire DC, PNP	10-30 VDC	30	≤ 150	-25 to +70	IP67	PBT	0.1M/TPU	C	2	A4
Ni2-Q6.5-0.16-BDS-2AP6X3-H1141/S34 1650110	WFI	4-wire DC, PNP	10-30 VDC	30	≤ 150	-25 to +70	IP67	PBT	0.16M/TPU	C	2	A4
Ni2-Q6.5-ADZ32-0.1-FSB5.4X4/S304 4200204		4-wire, VAC/DC	20-250 VAC/10-300 VDC	30	≤ 100	-25 to +70	IP67	PBT	0.1M/TPU	B	3	A5
Ni2-Q6.5-ADZ32-0.16-FS 5.4X4/S304 4200203		4-wire, VAC/DC	20-250 VAC/10-300 VDC	30	≤ 100	-25 to +70	IP67	PBT	0.16M/TPU	B	3	A5

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