
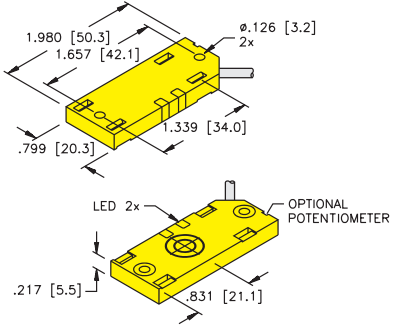
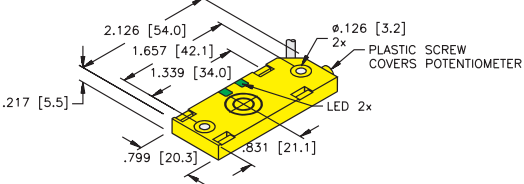
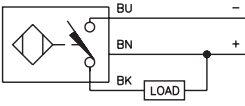
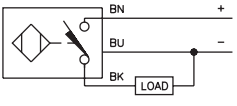
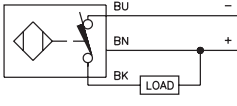
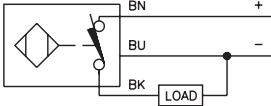


Capacitive Sensors | QF5.5

Top Sensing Thin Qpak Housing with DC Outputs

Housing Style	Dimension Drawings
	<p>A</p>  <p>5.5 mm - Potted-In Cable</p>
<p>B</p>  <p>5.5 mm - Potted-In Cable, w/Potentiometer Cover</p>	
Wiring Diagrams/Mating Cordsets	
<p>1</p> 	<p>2</p> 
<p>3</p> 	<p>4</p> 
A11 3 and 4-wire DC Capacitive - (AP, RP, AN, RN, VN, VP)	
<p>Ripple: $\leq 10\%$ Differential Travel (Hysteresis): 2-20% (5% typical) Voltage Drop Across Conducting Sensor: $\leq 1.8\text{ V}$ Trigger Current for Short Circuit Protection: $\geq 220\text{ mA}$ Off-State (Leakage) Current: $\leq 0.1\text{ mA}$ No-Load Current: $\leq 15\text{ mA}$ Power-On Effect: Per IEC 947-5-2</p>	<p>Reverse Polarity Protection: Incorporated Wire-Break Protection: Incorporated Transient Protection: Per EN 60947-5-2 Shock: 30 g, 11 ms Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes Repeatability: $\leq 2\%$ of Rated Operating Distance Temperature Drift: $< \pm 20\%$ of Rated Operating Distance</p>

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

Capacitive Sensors | QF5.5

Top Sensing Thin Qpak Housing with DC Outputs

Part Number/ ID Number	Features	Embeddable Range (mm)	Nonembeddable Range (mm)	Output	Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing Material	Front Cap/Face	Power LED	Output LED	Cable Length/Jacket	Dimension Drawings	Wiring Diagrams	Spec List
BC5-QF5.5-AN6X2/S250 2620120		5	5	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	1	A11
BC10-QF5.5-AN6X2 2620121		10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	1	A11
BC10-QF5.5-AN6X2/S250 2620119		10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	1	A11
BC10-QF5.5-RN6X2 2620128	Normally Closed	10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	3	A11
BC5-QF5.5-AP6X2/S250 2620116		5	5	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	2	A11
BC5-QF5.5-RP6X2/S250 2620127	Normally Closed	5	5	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	4	A11
BC10-QF5.5-AP6X2 2620117		10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	2	A11
BC10-QF5.5-AP6X2/S250 2620115		10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	2	A11
BC10-QF5.5-RP6X2 2620126	Normally Closed	10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	4	A11
BC10-QF5.5-RP6X2/S250 2620124	Normally Closed	10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	A	4	A11
BC10-QF5.5-AN6X2/S932 2620137		10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	B	1	A11
BC10-QF5.5-RN6X2/S932 2620140	Normally Closed	10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	B	3	A11
BC10-QF5.5-AP6X2/S932 2620109		10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	B	2	A11
BC10-QF5.5-RP6X2/S932 2620141	Normally Closed	10	10	3-wire DC NPN	10-30 VDC	100	≤200	-25 to +70	IP67	PP	PP	GN	YE	2M/TPU	B	4	A11

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Notes:

/S250: Without switch point adjustment potentiometer

/S932: Adjustment potentiometer with protective cover, and non-metallic mounting bushing