
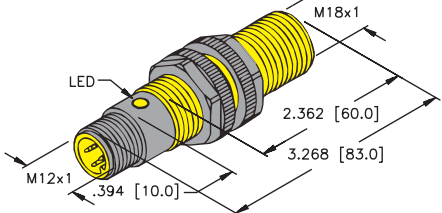
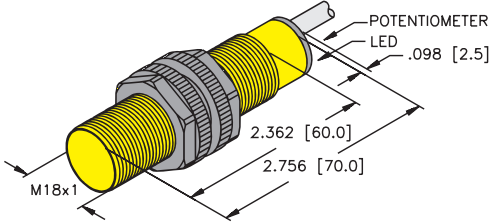
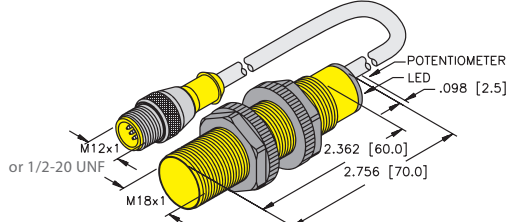
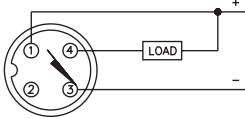
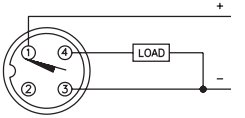
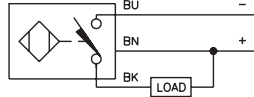
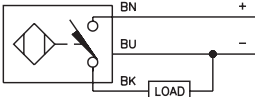
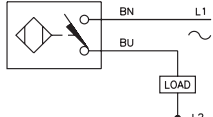
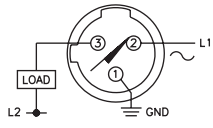


# Capacitive Sensors | 18 mm

## Metal Threaded Barrel with DC or AC Outputs

Housing Style	Dimension Drawings
	<p>A</p>  <p>18 mm - Eurofast Connector</p>
<p>B</p>  <p>18 mm - Potted-In Cable</p>	<p>C</p>  <p>18 mm - Molded Connector</p>

Wiring Diagrams/Mating Cordsets		
<p>1</p>  <p>Mating Cordset: RK 4T-*</p>	<p>2</p>  <p>Mating Cordset: RK 4T-*</p>	<p>3</p> 
<p>4</p> 	<p>5</p> 	<p>6</p>  <p>Mating Cordset: KB 3T-*</p>

A11	3 and 4-wire DC Capacitive - (AP, RP, AN, RN, VN, VP)	
<p>Ripple: ≤10%</p> <p>Differential Travel (Hysteresis): 2-20% (5% typical)</p> <p>Voltage Drop Across Conducting Sensor: ≤1.8 V</p> <p>Trigger Current for Short Circuit Protection: ≥220 mA</p> <p>Off-State (Leakage) Current: ≤0.1 mA</p> <p>No-Load Current: ≤15 mA</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>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> <p>Temperature Drift: &lt;±20% of Rated Operating Distance</p>	
A12	2-wire AC Capacitive - (AZ, FZ, RZ)	
<p>Line Frequency: ≥50... ≤60 Hz</p> <p>Differential Travel (Hysteresis): 2-20% (5% typical)</p> <p>Continuous Load Current: ≤500 mA</p> <p>Voltage Drop Across Conducting Sensor: ≤7.0 V</p> <p>Off-State (Leakage) Current: ≤1.7 mA</p> <p>Minimum Load Current: ≥5.0 mA</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> <p>Temperature Drift: &lt;±20% of Rated Operating Distance</p>	

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

# Capacitive Sensors | 18 mm

## Metal Threaded Barrel with DC or AC Outputs

Part Number/ ID Number	Features	Embeddable Range (mm)		Output	Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing Material	End Cap Material	Power LED	Output LED	Cable Length/Jacket	Dimension Drawings	Wiring Diagrams	Spec List
BC5-S18-AN4X-H1141/S250 2503108		5	7.5	3-wire DC NPN	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	--	A	1	A11
BC5-S18-AP4X-H1141/S250 2503602		5	7.5	3-wire DC PNP	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	--	A	2	A11
BC5-S18-AN4X 25031		5	7.5	3-wire DC NPN	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	2M/PVC	B	3	A11
BCF5-S18-AN4X 2503012	Noise Immune	5	7.5	3-wire DC NPN	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	2M/PVC	B	3	A11
BC5-S18-AP4X 25030		5	7.5	3-wire DC PNP	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	2M/PVC	B	4	A11
BCF5-S18-AP4X 2503011	Noise Immune	5	7.5	3-wire DC PNP	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	2M/PVC	B	4	A11
BCF5-S18-AP4X/S90 2503014	Noise Immune	5	7.5	3-wire DC PNP	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	2M/PUR	B	4	A11
BC5-S18-AN4X-0.2-RS4T 2503192		5	7.5	3-wire DC NPN	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	0.2M/PVC	C	1	A11
BCF5-S18-AN4X-0.2-RS4T 2503089	Noise Immune	5	7.5	3-wire DC NPN	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	0.2M/PVC	C	1	A11
BC5-S18-AP4X-0.2-RS4T 2503492		5	7.5	3-wire DC PNP	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	0.2M/PVC	C	2	A11
BCF5-S18-AP4X-0.2-RS4T 2503099	Noise Immune	5	7.5	3-wire DC PNP	10-65 VDC	100	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	0.2M/PVC	C	2	A11
BC5-S18-AZ3X 2305500		5	7.5	2-wire AC	20-250 VAC	20	≤200	-25 to +70	IP67	PA 12- GF30	PUR	N/A	YE	2M/PVC	B	5	A12
BC5-S18-AZ3X-0.2-SB3T 2305590		5	7.5	2-wire AC	20-250 VAC	20	≤500	-25 to +70	IP67	PA12- GF30	PUR	N/A	YE	0.2M/PVC	C	6	A12

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**Notes:**

/S250: Without switch point adjustment potentiometer