

# Capacitive Sensors - Rectangular



Housing Style	Part Number	ID Number	Features	Embeddable Range (mm)	Nonembed. Range (mm)	Output
<b>5.5 mm - Embeddable, Potted-In Cable</b>  	BC 5-QF5.5-AN6X2/S250	S2620120	No Potentiometer	5	5	3-Wire DC NPN
	BC10-QF5.5-AN6X2	S2620121		10	10	
	BC10-QF5.5-AN6X2/S250	S2620119	No Potentiometer	10	10	
	BC10-QF5.5-AN6X2/S932	S2620137	Covered Pot.	10	10	
	BC 5-QF5.5-AP6X2/S250	S2620116	No Potentiometer	5	5	3-Wire DC PNP
	BC10-QF5.5-AP6X2	S2620117		10	10	
	BC10-QF5.5-AP6X2/S250	S2620115	No Potentiometer	10	10	
	BC10-QF5.5-AP6X2/S932	S2620109	Covered Pot.	10	10	
	BC 5-QF5.5-Y1X/S250	S2030000	No Potentiometer	5	5	2-Wire DC NAMUR
	<b>8 mm - Embeddable, Potted-In Cable</b>  	BC 5-Q08-AN6X2	S2620100	No Potentiometer	5	5
BC 5-Q08-AP6X2		S2620000	No Potentiometer	5	5	3-Wire DC PNP
<b>8 mm - Embeddable, pcofast® Connector</b>  	BC 5-Q08-AN6X2-V1131	S2621100	No Potentiometer	5	5	3-Wire DC NPN
	BC 5-Q08-AP6X2-V1131	S2621000	No Potentiometer	5	5	3-Wire DC PNP

"/S250" designates without potentiometer.

"/S932" designates Covered potentiometer.

For detailed sensor specifications see Section M.  
Normally Closed versions available upon request, consult factory.



Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection Class	Housing Mat.	Face/ Front Cap	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-30 VDC	100	≤200	-25 to +70	IP 67	PP	PP	GN	YE	2M/PUR	1	<b>Diagram 1</b> 
	100	≤200	-25 to +70	IP 67	PP	PP	GN	YE	2M/PUR	1	
	100	≤200	-25 to +70	IP 67	PP	PP	GN	YE	2M/PUR	1	
	100	≤200	-25 to +70	IP 67	PP	PP	GN	YE	2M/PUR	1	
10-30 VDC	100	≤200	-25 to +70	IP 67	PP	PP	GN	Ye	2M/PUR	2	<b>Diagram 2</b> 
	100	≤200	-25 to +70	IP 67	PP	PP	GN	YE	2M/PUR	2	
	100	≤200	-25 to +70	IP 67	PP	PP	GN	YE	2M/PUR	2	
	100	≤200	-25 to +70	IP 67	PP	PP	GN	YE	2M/PUR	2	
5-30 VDC	100	Remote	-25 to +70	IP 67	PP	PP	N/A	YE	2M/PUR	5	
10-30 VDC	100	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	1	<b>Diagram 3</b> 
10-30 VDC	100	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	2	<b>Diagram 4</b> 
10-30 VDC	100	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	PKG 3Z-*	3	<b>Diagram 5</b> 
10-30 VDC	100	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	PKG 3Z-*	4	

\* Length in meters.

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Housing Style	Part Number	ID Number	Features	Embeddable Range (mm)	Nonembed. Range (mm)	Output
<b>10 mm - Embeddable, Potted-In Cable</b> 	BC 8-Q10-AN6X2/S250	S2621203	No Potentiometer	8	8	3-Wire DC NPN
	BC 8-Q10-AP6X2/S250	S2621200	No Potentiometer	8	8	3-Wire DC PNP
<b>10 mm - Embeddable, picofast® Connector</b> 	BC 8-Q10-AN6X2-V1131/S250	S2621202	No Potentiometer	8	8	3-Wire DC NPN
	BC 8-Q10-AP6X2-V1131/S250	S2621201	No Potentiometer	8	8	3-Wire DC PNP
<b>14 mm - Embeddable, Potted-In Cable</b> 	BC10-Q14-AN4X2	M2530010		10	15	3-Wire DC NPN
	BC10-Q14-AN4X2/S400	M2530005	Rear LED	10	15	
	BC10-Q14-AP4X2	M2530001		10	15	3-Wire DC PNP
	BC10-Q14-AP4X2/S400	M2530003	Rear LED	10	15	
	BC10-Q14-VN4X2	M2530030	Comp. Outputs	10	15	4-Wire DC NPN
	BC10-Q14-VP4X2	M2530020	Comp. Outputs	10	15	4-Wire DC PNP
<b>14 mm - Embeddable, picofast Connector</b> 	BC10-Q14-AN4X2-V1131	M2530011		10	15	3-Wire DC NPN
	BC10-Q14-AN4X2-V1131/S400	M2530006	Rear LED	10	15	
	BC10-Q14-AP4X2-V1131	M2530002		10	15	3-Wire DC PNP
	BC10-Q14-AP4X2-V1131/S400	M2530004	Rear LED	10	15	

"/S250" in part number designates without potentiometer.

"/S400" in part number designates rear LED location on back of sensor opposite front face.

For detailed sensor specifications see Section M.  
Normally Closed versions available upon request, consult factory.



Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection Class	Housing Mat.	Face/ Front Cap	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-30 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	1	<b>Diagram 1</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	2	<b>Diagram 2</b> 
10-30 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	PKG 3M-*	3	<b>Diagram 3</b> 
10-30 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	PKG 3M-*	4	<b>Diagram 4</b> 
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	1	<b>Diagram 5</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	1	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	2	<b>Diagram 6</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	2	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	5	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	6	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	PKG 3M-*	3	
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	PKG 3M-*	3	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	PKG 3M-*	4	
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	PKG 3M-*	4	

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\* Length in meters.

For material descriptions see page M22.

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Housing Style	Part Number	ID Number	Features	Embeddable Range (mm)	Nonembed. Range (mm)	Output
<b>20 mm - Embeddable, Potted-In Cable</b>  	BC20-Q20-AN4X2	M2530110		20	30	3-Wire DC NPN
	BC20-Q20-AN4X2/S400	M2530104	Rear LED	20	30	
	BC20-Q20-AP4X2	M2530100		20	30	3-Wire DC PNP
	BC20-Q20-AP4X2/S400	M2530102	Rear LED	20	30	
	BC20-Q20-VN4X2/S400		Comp. Outputs	20	30	4-Wire DC NPN
	BC20-Q20-VP4X2/S400	M2530122	Comp. Outputs	20	30	4-Wire DC PNP
	BC20-Q20-AZ3X2	M4352000		20	30	2-Wire AC
	BC20-Q20-AZ3X2/S400	M2310005	Rear LED	20	30	

"/S400" in part number designates rear LEDs, located on back of sensor opposite of sensing face.

For detailed sensor specifications see Section M.  
Normally Closed versions available upon request, consult factory.



Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection Class	Housing	Face	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	1	<b>Diagram 1</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	1	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	2	<b>Diagram 2</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	2	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	3	<b>Diagram 3</b> 
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	4	<b>Diagram 4</b> 
20-250 VAC	20	≤500	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	5	<b>Diagram 5</b> 
	20	≤500	-25 to +70	IP 67	PBT	PBT	GN	YE	2M/PVC	5	

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Housing Style	Part Number	ID Number	Features	Embeddable Range (mm)	Nonembed. Range (mm)	Output
<b>20 mm - Embeddable, eurofast® Connector</b>  	BC20-Q20-AN4X2-H1141	M2530111		20	30	3-Wire DC NPN
	BC20-Q20-AN4X2-H1141/S400	M2530105	Rear LED	20	30	
	BC20-Q20-AP4X2-H1141	M2530101		20	30	3-Wire DC PNP
	BC20-Q20-AP4X2-H1141/S400	M2530103	Rear LED	20	30	
	BC20-Q20-VN4X2-H1141	M2530131		20	30	4-Wire DC NPN
	BC20-Q20-VN4X2-H1141/S400	M2530124	Comp. Outputs	20	30	
	BC20-Q20-VP4X2-H1141	M2530121		20	30	4-Wire DC PNP
	BC20-Q20-VP4X2-H1141/S400	M2530123	Comp. Outputs	20	30	

"/S400" in part number designates rear LEDs, located on back of sensor opposite of sensing face.

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Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection Class	Housing	Face	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4T-*	1	<b>Diagram 1</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4T-*	1	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4T-*	2	<b>Diagram 2</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4T-*	2	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4.4T-*	3	<b>Diagram 3</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4.4T-*	3	
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4.4T-*	4	<b>Diagram 4</b> 
	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	RK 4.4T-*	4	

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\* Length in meters.

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Housing Style	Part Number	ID Number	Features	Embeddable Range (mm)	Nonembed. Range (mm)	Output
<b>40 mm - Embeddable, Terminal Chamber</b> 	BC20-CP40-VN4X2	M2515700	Comp. Outputs	20	30	4-Wire DC NPN
	BC20-CP40-VP4X2	M2515600	Comp. Outputs	20	30	4-Wire DC PNP
	BC20-CP40-FZ3X2	M2311500	Prog. Outputs	20	30	2-Wire AC
<b>80 mm - Nonembeddable, Terminal Chamber</b> 	NC50-CP80-VN4X2	M2580112	Comp. Outputs	NA	50	4-Wire DC NPN
	NC50-CP80-VP4X2	M2580212	Comp. Outputs	NA	50	4-Wire DC PNP
	NC50-CP80-FZ3X2	M2310610	Prog. Outputs	NA	50	2-Wire AC

For detailed sensor specifications see Section M.  
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Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection Class	Housing Mat.	Face	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	- - - -	1	<p><b>Diagram 1</b></p>
10-65 VDC	100	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	- - - -	2	<p><b>Diagram 2</b></p>
20-250 VAC	20	≤500	-25 to +70	IP 67	PBT	PBT	GN	YE	- - - -	3	<p><b>Diagram 3</b></p>
10-65 VDC	200	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	- - - -	1	
10-65 VDC	200	≤200	-25 to +70	IP 67	PBT	PBT	GN	YE	- - - -	2	<p>-OR-</p>
20-250 VAC	20	≤500	-25 to +70	IP 67	PBT	PBT	GN	YE	- - - -	3	

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For material descriptions see page M22.