

# BALLUFF Capacitive Proximity Sensors

## Capacitive Proximity Sensors



BCS00NA

- Operating distance 4mm [0.16 in] to 30mm [1.18 in]
- Stainless steel or polybutylene terephthalate housing
- LCP (liquid crystal polymer) active face
- Cable or M12 connector
- PNP or NPN, N.O. or N.C.
- IP66 or IP67 protection



### Capacitive Proximity Sensor Selection Chart (Tubular)

Part Number	Price	Sensing Range	Mounting	Output State	Logic	Connection	Housing Material	Data Sheet Link	Drawing Link		
M12											
<a href="#">BCS00P0</a>	\$136.00	4mm [0.16 in]	Flush	N.O.	PNP	4-pin M12 quick-disconnect	Stainless Steel	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">BCS00P1</a>	\$136.00			N.C.				<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">BCS00P4</a>	\$136.00	8mm [0.31 in]	Non-flush	N.O.			Cable, 3-pole, 6.5ft/2m	Polybutylene Terephthalate	<a href="#">PDF</a>	<a href="#">PDF</a>	
<a href="#">BCS00PJ</a>	\$100.00	4mm [0.16 in]	Flush			N.O.			Polybutylene Terephthalate	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">BCS00PU</a>	\$102.00									<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">BCS00R0</a>	\$102.00	8mm [0.31 in]	Non-flush			N.C.			Polybutylene Terephthalate	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">BCS00R1</a>	\$141.00			N.C.		<a href="#">PDF</a>		<a href="#">PDF</a>			
<a href="#">BCS0179</a>	\$261.00			N.O.	NPN/PNP	4-pin M12 quick-disconnect	Stainless Steel	<a href="#">PDF</a>		<a href="#">PDF</a>	
<a href="#">BCS017A</a>	\$261.00			N.C.				<a href="#">PDF</a>		<a href="#">PDF</a>	
<a href="#">BCS017K</a>	\$254.00	5mm [0.20 in]	Flush	N.O.				<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">BCS017L</a>	\$254.00			N.C.	<a href="#">PDF</a>	<a href="#">PDF</a>					
M18											
<a href="#">BCS006A</a>	\$212.00	15mm [0.59 in]	Non-flush	N.O.	PNP	4-pin M12 quick-disconnect	Stainless Steel	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">BCS00LM</a>	\$108.00						8mm [0.31 in]	Flush	NPN	Polybutylene Terephthalate	<a href="#">PDF</a>
<a href="#">BCS00M8</a>	\$108.00	Stainless Steel	<a href="#">PDF</a>								<a href="#">PDF</a>
<a href="#">BCS00MF</a>	\$126.00	Polybutylene Terephthalate	<a href="#">PDF</a>		<a href="#">PDF</a>						
<a href="#">BCS00MJ</a>	\$108.00		<a href="#">PDF</a>		<a href="#">PDF</a>						
<a href="#">BCS00NZ</a>	\$111.00				PNP	Cable, 3-pole, 6.5ft/2m	Polybutylene Terephthalate	<a href="#">PDF</a>	<a href="#">PDF</a>		
M30											
<a href="#">BCS004K</a>	\$153.00	20mm [0.79 in]	Flush	N.O./N.C.	PNP	Cable, 3-pole, 6.5ft/2m	Polybutylene Terephthalate	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">BCS004M</a>	\$151.00					4-pin M12 quick-disconnect		Stainless Steel	<a href="#">PDF</a>	<a href="#">PDF</a>	
<a href="#">BCS004T</a>	\$200.00	30mm [1.18 in]	Non-flush				Polybutylene Terephthalate		<a href="#">PDF</a>	<a href="#">PDF</a>	
<a href="#">BCS007F</a>	\$151.00							Stainless Steel	<a href="#">PDF</a>	<a href="#">PDF</a>	
<a href="#">BCS007L</a>	\$234.00	15mm [0.59 in]	Flush	N.O.		Polybutylene Terephthalate	<a href="#">PDF</a>	<a href="#">PDF</a>			
<a href="#">BCS00NA</a>	\$109.00						25mm [0.98 in]	Non-flush	<a href="#">PDF</a>	<a href="#">PDF</a>	
<a href="#">BCS00NH</a>	\$109.00					<a href="#">PDF</a>	<a href="#">PDF</a>				

# BALLUFF Capacitive Proximity Sensors

## Capacitive Proximity Sensors



**BCS003K**

- Operating distance 25mm [0.98 in]
- Polyoxymethylene (POM) thermoplastic housing
- LCP (liquid crystal polymer) active face
- Cable or M8 connector
- PNP or NPN, N.O. or N.C.
- IP65 or IP67 protection



### Capacitive Proximity Sensor Selection Chart (Round)

Part Number	Price	Sensing Range	Mounting	Output State	Logic	Connection	Housing Material	Data Sheet Link	Drawing Link
<a href="#"><u>BCS003K</u></a>	\$132.00	25mm [0.98 in]	Flush	N.O./N.C.	NPN/PNP	Cable, 3-pole, 6.5ft/2m	Polyoxymethylene (POM)	<a href="#"><u>PDF</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>BCS003L</u></a>	\$129.00					3-pin M8 quick-disconnect		<a href="#"><u>PDF</u></a>	<a href="#"><u>PDF</u></a>

## Capacitive Proximity Sensors



**BCS00TR**

- Operating distance 8mm [0.31 in] to 20mm [0.79 in]
- Polypropylene or polybutylene terephthalate housing
- LCP (liquid crystal polymer) active face
- Cable or M8 connector
- PNP or NPN, N.O. or N.C.
- IP67 protection



**BCS012A**

### Capacitive Proximity Sensor Selection Chart (Flat)

Part Number	Price	Sensing Range	Mounting	Output State	Logic	Connection	Housing Material	Data Sheet Link	Drawing Link
Square									
BCS00TR	\$92.00	20mm [0.79 in]	Flush	N.O./N.C.	NPN/PNP	Cable, 3-pole, 6.5ft/2m	Polybutylene Terephthalate	<a href="#">PDF</a>	<a href="#">PDF</a>
BCS00U6	\$92.00			N.O.	PNP	3-pin M8 quick-disconnect		<a href="#">PDF</a>	<a href="#">PDF</a>
Rectangular									
BCS012A	\$141.00	8mm [0.31 in]	Flush	N.O.	PNP	Cable, 3-pole, 0.9ft/0.3m	Polypropylene (PP)	<a href="#">PDF</a>	<a href="#">PDF</a>
BCS012T	\$143.00					4-pin M8 quick-disconnect		<a href="#">PDF</a>	<a href="#">PDF</a>