

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										
BCS00P0	\$136.00	4mm [0.16 in]	Flush	N.O.	PNP	4-pin M12 quick-disconnect	Stainless Steel	PDF	PDF	
BCS00P1	\$136.00			N.C.				PDF	PDF	
BCS00P4	\$136.00	8mm [0.31 in]	Non-flush	N.O.			Cable, 3-pole, 6.5ft/2m	Polybutylene Terephthalate	PDF	PDF
BCS00PJ	\$100.00	4mm [0.16 in]	Flush			N.O.			PDF	PDF
BCS00PU	\$102.00								PDF	PDF
BCS00R0	\$102.00	8mm [0.31 in]	Non-flush			N.C.			PDF	PDF
BCS00R1	\$141.00			N.C.		PDF			PDF	
BCS0179	\$261.00			N.O.	NPN/PNP	4-pin M12 quick-disconnect	Stainless Steel	PDF	PDF	
BCS017A	\$261.00			N.C.				PDF	PDF	
BCS017K	\$254.00	5mm [0.20 in]	Flush	N.O.				PDF	PDF	
BCS017L	\$254.00			N.C.				PDF	PDF	
M18										
BCS006A	\$212.00	15mm [0.59 in]	Non-flush	N.O.	PNP	4-pin M12 quick-disconnect	Stainless Steel	PDF	PDF	
BCS00LM	\$108.00						Polybutylene Terephthalate	PDF	PDF	
BCS00M8	\$108.00	8mm [0.31 in]	Flush				NPN	Stainless Steel	PDF	PDF
BCS00MF	\$126.00				Polybutylene Terephthalate			PDF	PDF	
BCS00MJ	\$108.00				PNP	Cable, 3-pole, 6.5ft/2m	Polybutylene Terephthalate	PDF	PDF	
BCS00NZ	\$111.00							PDF	PDF	
M30										
BCS004K	\$153.00	20mm [0.79 in]	Flush	N.O./N.C.	PNP	Cable, 3-pole, 6.5ft/2m	Polybutylene Terephthalate	PDF	PDF	
BCS004M	\$151.00					4-pin M12 quick-disconnect	Polybutylene Terephthalate	PDF	PDF	
BCS004T	\$200.00	Stainless Steel	PDF				PDF			
BCS007F	\$151.00	Polybutylene Terephthalate	PDF				PDF			
BCS007L	\$234.00	30mm [1.18 in]	Non-flush	N.O.		Stainless Steel	PDF	PDF		
BCS00NA	\$109.00	15mm [0.59 in]	Flush			Polybutylene Terephthalate	PDF	PDF		
BCS00NH	\$109.00	25mm [0.98 in]	Non-flush			PDF	PDF			

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
<u>BCS003K</u>	\$132.00	25mm [0.98 in]	Flush	N.O./N.C.	NPN/PNP	Cable, 3-pole, 6.5ft/2m	Polyoxymethylene (POM)	<u>PDF</u>	<u>PDF</u>
<u>BCS003L</u>	\$129.00					3-pin M8 quick-disconnect		<u>PDF</u>	<u>PDF</u>

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	PDF	PDF
BCS00U6	\$92.00			N.O.	PNP	3-pin M8 quick-disconnect		PDF	PDF
Rectangular									
BCS012A	\$141.00	8mm [0.31 in]	Flush	N.O.	PNP	Cable, 3-pole, 0.9ft/0.3m	Polypropylene (PP)	PDF	PDF
BCS012T	\$143.00					4-pin M8 quick-disconnect		PDF	PDF