

Voltage	Output	Order Code	Price Each			
			1+	5+	10+	25+
<b>Prewired, Non-flush Mounting</b>						
10 to 40V dc	NPN	711-3201				
10 to 40V dc	PNP	711-3213				
20 to 250V ac	SCR	711-3249				
<b>Prewired, Flush Mounting</b>						
10 to 40V dc	NPN	711-3225				
10 to 40V dc	PNP	711-3237				
20 to 250V ac	SCR	711-3250				
<b>Plug-in, Non-Flush Mounting</b>						
10 to 40V dc	NPN	721-2999				
10 to 40V dc	PNP	721-3001				
20 to 250V ac	SCR	721-3025				
<b>Plug-in, Flush Mounting</b>						
10 to 40V dc	NPN	721-2975				
10 to 40V dc	PNP	721-2987				
20 to 250V ac	SCR	721-3013				

**Proximity Switches – Inductive**

**Pre-wired or Connector Versions  
3 Wire Flush and Non-Flush Mountable**



- Cylindrical housing sizes M8, M12, M18 and M30
- Sensing distances from 1.5mm to 15mm
- M12 'quick' change connector or 3M fixed PVC cable option
- Short circuit and polarity reversal protected
- LED output indicator
- Double insulated
- IP67 sealing specification

**BALLUF**  
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**Recent Addition**

**2 YEAR GUARANTEE**

**Best Value**

Sensing range with steel square target size of face dia x 1mm thick

Size	Flush	Non-Flush
M8	1.5mm	2.5mm
M12	2mm	4mm
M18	5mm	8mm
M30	10mm	15mm



M12 Connector Option

SEN394

Size	Sense Dist.	Order Code		Price Each		
		NPN	PNP	1+	5+	10+
<b>Prew-wired N/O</b>						
M8	1.5mm	346-1671	346-1683			
M12	2mm	346-1695	346-1701			
M18	5mm	346-1713	346-1725			
M30	10mm	346-1737	346-1749			
<b>Pre-wired N/O (non-flush)</b>						
M8	2.5mm	346-1750	346-1762			
M12	4mm	346-1774	346-1786			
M18	8mm	346-1798	346-1804			
M30	15mm	346-1816	346-1828			
<b>Connector N/O (M12 – 4 Pole)</b>						
M8	1.5mm	346-1830	346-1841			
M12	2mm	346-1853	346-1865			
M18	5mm	346-1877	346-1889			
M30	10mm	346-1890	346-1907			
<b>Connector N/O (non-flush) (M12 – 4 Pole)</b>						
M8	2.5mm	346-1919	346-1920			
M12	4mm	346-1932	346-1944			
M18	8mm	346-1956	346-1968			
M30	15mm	-	346-1970			

**Prewired - 3 wire dc, 2 wire ac and dc**



- Available in shielded and unshielded models
- M5, M8, M18 and M30 barrel size
- M12 and M18 extended sensing distance models
- Complete protection against electrical damages
- CE marked and UI approved
- IP67 protection
- LED status indicator 360° visible

**IMO**

**Recent Addition**

**3 YEAR GUARANTEE**

Power supply: 10-30V dc  
 Output type: NPN or PNP (dc)  
 Output status: 3 wire - NO, 2 wire - NO  
 Operating Temp: -25°C to +70°C  
 Load current 3 wire: M8 & M12 - 200mA, M18 & M30 - 400mA  
 Load current 2 wire: DC - 100mA, AC - 5-300Ams

Sensing Distance	Thread Size	Thread Length	Overall Length	Output	Mftrs Part No	Order Code
<b>3 wire dc shielded</b>						
1.5mm	M8	45	48	NPN	AE1/AN-1A60	328-1360
1.5mm	M8	45	48	PNP	AE1/AP-1A60	328-1371
2mm	M12	39	55	NPN	AM1/AN-1A	328-1383
2mm	M12	39	55	PNP	AM1/AP-1A	328-1395
4mm	M12	39	55	NPN	AM1/AN-3A	328-1401
4mm	M12	39	55	PNP	AM1/AP-3A	328-1413
5mm	M18	35	58	NPN	AK1/AN-1A	328-1425
5mm	M18	35	58	PNP	AK1/AP-1A	328-1437
10mm	M18	35	58	NPN	AK1/AN-3A	328-1449
10mm	M30	35	100	PNP	AK1/AP-3A	328-1450
10mm	M30	59	100	NPN	AT1/AN-1B	328-1462
10mm	M30	59	100	PNP	AT1/AP-1B	328-1474
<b>3 wire dc unshielded</b>						
2.5mm	M8	41	48	NPN	AE1/AN-2A	328-1486
2.5mm	M8	41	48	PNP	AE1/AP-2A	328-1498
4mm	M12	34	55	NPN	AM1/AN-2A	328-1700
4mm	M12	34	55	PNP	AM1/AP-2A	328-1711
8mm	M12	34	55	NPN	AM1/AN-4A	328-1723
8mm	M12	34	55	PNP	AM1/AP-4A	328-1735
8mm	M18	27	58	NPN	AK1/AN-2A	328-1747
8mm	M18	27	58	PNP	AK1/AP-2A	328-1759
16mm	M18	27	58	NPN	AK1/AN-4A	328-1760
16mm	M18	27	58	PNP	AK1/AP-4A	328-1772
15mm	M30	59	100	NPN	AT1/AN-2A	328-1784
15mm	M30	59	100	PNP	AT1/AP-2A	328-1796
<b>2 wire dc shielded</b>						
2mm	M12	48	75	-	AM1/AO-1A	328-1802
5mm	M18	40	64	-	AK1/AO-1A	328-1814
10mm	M30	38	92	-	AT1/AO-1A	328-1826
<b>2 wire dc unshielded</b>						
4mm	M12	48	75	-	AM1/AO-2A	328-1954
8mm	M18	40	64	-	AK1/AO-2A	328-1966
15mm	M30	38	92	-	AT1/AO-2A	328-1978
<b>2 wire ac shielded</b>						
2mm	M12	39	72	-	VM1/AO-1B	328-1980
5mm	M18	45	68	-	VK2/AO-1B	328-1991
10mm	M30	59	100	-	VT1/AO-1B	328-2004
<b>2 wire ac unshielded</b>						
4mm	M12	34	72	-	VM1/AO-2B	328-2016
8mm	M18	45	68	-	VK2/AO-2B	328-2028
15mm	M30	59	100	-	VT1/AO-2B	328-2030

Thread Size	Output	Sense Dist.	Order Code	1+	5+	10+	25+
<b>3 wire dc shielded</b>							
M8	NPN	1.5mm	328-1360				
M8	PNP	1.5mm	328-1371				
M12	NPN	2mm	328-1383				
M12	PNP	2mm	328-1395				
M12	NPN	4mm	328-1401				
M12	PNP	4mm	328-1413				
M18	NPN	5mm	328-1425				
M18	PNP	5mm	328-1437				
M18	NPN	10mm	328-1449				
M18	PNP	10mm	328-1450				
M30	NPN	10mm	328-1462				
M30	PNP	10mm	328-1474				
<b>3 wire dc unshielded</b>							
M8	NPN	2.5mm	328-1486				
M8	PNP	2.5mm	328-1498				
M12	NPN	4mm	328-1700				
M12	PNP	4mm	328-1711				
M12	NPN	8mm	328-1723				
M12	PNP	8mm	328-1735				
M18	NPN	8mm	328-1747				
M18	PNP	8mm	328-1759				
M18	NPN	16mm	328-1760				
M18	PNP	16mm	328-1772				
M30	NPN	15mm	328-1784				
M30	PNP	15mm	328-1796				
<b>2 wire dc shielded</b>							
M12	-	2mm	328-1802				
M18	-	5mm	328-1814				
M30	-	10mm	328-1826				
<b>2 wire dc unshielded</b>							
M12	-	4mm	328-1954				
M18	-	8mm	328-1966				
M30	-	15mm	328-1978				
<b>2 wire ac shielded</b>							
M12	-	2mm	328-1980				
M18	-	5mm	328-1991				
M30	-	10mm	328-2004				
<b>2 wire ac unshielded</b>							
M12	-	4mm	328-2016				
M18	-	8mm	328-2028				
M30	-	15mm	328-2030				

Continued