

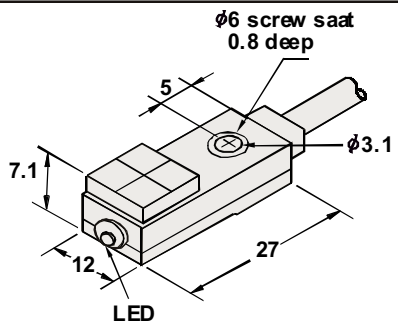
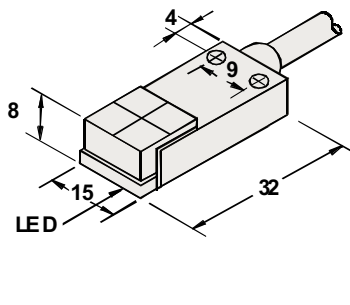


MIN Q SERIES MICRO-PROXIMITY SENSOR DC 3-WIRE TYPE

Diameter		Q12	Q15	
● Shielded ○ non-Shielded		○	○	
Switching Distance, Sn: mm		2m m	4m m	
Housing Material		Poly carbonate	Poly carbonate	
● With LED ○ Without LED		●	●	
Picture				
Operating Voltage	10-30VDC	10-30VDC	10-30VDC	
Ripple	<10%	<10%	<10%	
No Load Current	<10mA	<10mA	<10mA	
Max. Load Current	100mA	100mA	100mA	
Leakage Current	<0.01mA	<0.01mA	<0.01mA	
Voltage Drop	<1.5V	<1.5V	<1.5V	
Switching Frequency	500HZ	500HZ	250HZ	
Response Time	0.5ms/0.5ms	0.5ms/0.5ms	0.5ms/0.5ms	
Switching Hysteresis	<15%(Sr)	<15%(Sr)	<15%(Sr)	
Repeat Accuracy	<0.04mm	<0.04mm	<0.04mm	
Protection Category	IP67	IP67	IP67	
Operating Temperature	-25 °C - +70 °C	-25 °C - +70 °C	-25 °C - +70 °C	
Temperature Drift	<10%(Sr)	<10%(Sr)	<10%(Sr)	
Short Circuit Protection	YES	YES	YES	
Overload Trip Point	120mA	120mA	120mA	
Material Active Face	Polycarbonate	Polycarbonate	Polycarbonate	
DC 3 wire 10-30V NPN N.O.	P1S2P1202NO3A2/F	1	P1S2P1504NO3A2/F	1
DC 3 wire 10-30V NPN N.C.	P1S2P1202NC3A2/F	2	P1S2P1504NC3A2/F	2
DC 3 wire 10-30V PNP N.O.	P1S2P1202PO3A2/F	3	P1S2P1504PO3A2/F	3
DC 3 wire 10-30V PNP N.C.	P1S2P1202PC3A2/F	4	P1S2P1504PC3A2/F	4
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)				
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)				
DC 2 wire 10-60V N.O.				
DC 2 wire 10-60V N.C.				
DC 3 wire 10-55v NPN N.O.				
DC 3 wire 10-55v NPN N.C.				
DC 3 wire 10-55v PNP N.O.				
DC 3 wire 10-55v PNP N.C.				
DC 3 wire 5-36V NPN N.O.				
DC 3 wire 5-36V NPN N.C.				
DC 3 wire 5-36V PNP N.O.				
DC 3 wire 5-36V PNP N.C.				
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)				
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)				
Dimensions (unit: mm)				
Cable 2M (PVC)	2.7 φ 3x0.15 PUR		3 φ 3x0.15	
Weight	approx.20 g		approx.20 g	