







	Q8	Q8	Q8	Q8	Q8	Q8
						
Sensing Distance	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Operating Voltage	10-30 VDC					
Ripple	<10%					
No Load Current	<10mA					
Max. Load Current	200mA					
Leakage Current	<0.01mA					
Surge Current	-					
Min. Load Current	-					
Voltage Drop	<1.5V (10-30V)					
Switching Frequency	2 KHz					
Response Time	0.1ms/0.1ms					
Switching Hysteresis	<15% (Sr)					
Repeat Accuracy	<1.0% (Sr)					
Protection Category	IP67					
Operating Temperature	-25°C - +70°C					
Temperature Drift	<10% (Sr)					
Short Circuit Protection	Yes					
Overload Trip Point	220mA					
Time Delay Before Availability	<10ms					
Shock / Vibration	IEC 60947-5-2, Part 7.4.1 & 7.4.2					
Material Active Face	POM					
Housing Material	Nickel-plated Brass					
Part Numbers	Shielded	Shielded	Shielded	Shielded	Shielded	Shielded
DC 3 wire 10-30V NPN N.O.	FQM1-8801N-A3S2M	FQM1-8801N-A3S2T	FQM1-8801N-ACU3M	FQM1-8801N-ACU3T	FQM1-8801N-A3R2T	FQM1-8801N-ACR3T
DC 3 wire 10-30V NPN N.C.	FQM1-8801N-B3S2M	FQM1-8801N-B3S2T	FQM1-8801N-BCU3M	FQM1-8801N-BCU3T	FQM1-8801N-B3R2T	FQM1-8801N-BCR3T
DC 3 wire 10-30V PNP N.O.	FQM1-8801P-A3S2M	FQM1-8801P-A3S2T	FQM1-8801P-ACU3M	FQM1-8801P-ACU3T	FQM1-8801P-A3R2T	FQM1-8801P-ACR3T
DC 3 wire 10-30V PNP N.C.	FQM1-8801P-B3S2M	FQM1-8801P-B3S2T	FQM1-8801P-BCU3M	FQM1-8801P-BCU3T	FQM1-8801P-B3R2T	FQM1-8801P-BCR3T
DC 4 wire 10-30V Changeover NPN						
DC 4 wire 10-30V Changeover PNP						
DC 2 wire 10-60V N.O.						
DC 2 wire 10-60V 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 NPN						
DC 4 wire 5-36V Changeover PNP						
Diagrams (units in mm)	