







	Q32	Q32	Q2505	Q2505	Q2508	Q2508
						
Sensing Distance	5.0 mm	5.0 mm	5.0 mm	5.0 mm	8.0 mm	8.0 mm
Operating Voltage	10-30 VDC or 10-60 VDC or 5-36 VDC					
Ripple	<10%					
No Load Current	<10mA					
Max. Load Current	200mA					
Leakage Current	<0.01mA					
Surge Current	-					
Min. Load Current	-					
Voltage Drop	<1.5V (10-30VDC) or <1.0V (5-36VDC)					
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-Q3205N-A3U2T	FQM1-Q3205N-ACU3	FQM1-2505N-A3U2T	FQM1-2505N-ACU3	EQM1-2508N-A3U2T	EQM1-2508N-ACU3
DC 3 wire 10-30V NPN N.C.	FQM1-Q3205N-B3U2T	FQM1-Q3205N-BCU3	FQM1-2505N-B3U2T	FQM1-2505N-BCU3	EQM1-2508N-B3U2T	EQM1-2508N-BCU3
DC 3 wire 10-30V PNP N.O.	FQM1-Q3205P-A3U2T	FQM1-Q3205P-ACU3	FQM1-2505P-A3U2T	FQM1-2505P-ACU3	EQM1-2508P-A3U2T	EQM1-2508P-ACU3
DC 3 wire 10-30V PNP N.C.	FQM1-Q3205P-B3U2T	FQM1-Q3205P-BCU3	FQM1-2505P-B3U2T	FQM1-2505P-BCU3	EQM1-2508P-B3U2T	EQM1-2508P-BCU3
DC 4 wire 10-30V Changeover NPN	FQM1-Q3205N-S4U2T	FQM1-Q3205N-SCU4	FQM1-2505N-S4U2T	FQM1-2505N-SCU3	EQM1-2508N-S4U2T	EQM1-2508N-SCU3
DC 4 wire 10-30V Changeover PNP	FQM1-Q3205P-S4U2T	FQM1-Q3205P-SCU4	FQM1-2505P-S4U2T	FQM1-2505P-SCU3	EQM1-2508P-S4U2T	EQM1-2508P-SCU3
DC 2 wire 10-60V N.O.	FQM1-Q3205C-A2U2T	FQM1-Q3205C-ACU3	FQM1-2505C-A2U2T	FQM1-2505C-ACU3	EQM1-2508C-A2U2T	EQM1-2508C-ACU3
DC 2 wire 10-60V N.C.	FQM1-Q3205C-B2U2T	FQM1-Q3205C-BCU3	FQM1-2505C-B2U2T	FQM1-2505C-BCU3	EQM1-2508C-B2U2T	EQM1-2508C-BCU3
DC 3 wire 5-36V NPN N.O.	IQM1-Q3205N-A3U2T	IQM1-Q3205N-ACU3	IQM1-2505N-A3U2T	IQM1-2505N-ACU3		
DC 3 wire 5-36V NPN N.C.	IQM1-Q3205N-B3U2T	IQM1-Q3205N-BCU3	IQM1-2505N-B3U2T	IQM1-2505N-BCU3		
DC 3 wire 5-36V PNP N.O.	IQM1-Q3205P-A3U2T	IQM1-Q3205P-ACU3	IQM1-2505P-A3U2T	IQM1-2505P-ACU3		
DC 3 wire 5-36V PNP N.C.	IQM1-Q3205P-B3U2T	IQM1-Q3205P-BCU3	IQM1-2505P-B3U2T	IQM1-2505P-BCU3		
DC 4 wire 5-36V Changeover NPN	IQM1-Q3205N-S4U2T	IQM1-Q3205N-SCU4	IQM1-2505N-S4U2T	IQM1-2505N-SCU3		
DC 4 wire 5-36V Changeover PNP	IQM1-Q3205P-S4U2T	IQM1-Q3205P-SCU4	IQM1-2505P-S4U2T	IQM1-2505P-SCU3		
Diagrams (units in mm)						
	