





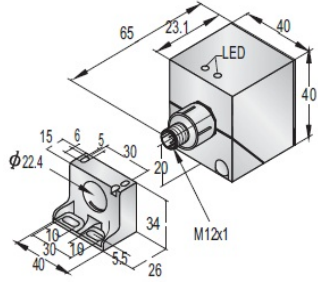
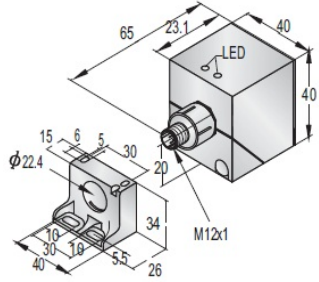


# DC INDUCTIVE PROXIMITY SWITCH(Q40S)

Diameter	Q40S		Q40S	
Shielded/non-Shielded	Shielded		Non-Shielded	
Switching Distance Sn mm	15mm		20mm	
Housing Material	PBT RESIN		PBT RESIN	
With LED/Without LED	With LED		With LED	
Picture	 		 	
Operating Voltage	10-30VDC / 10-55VDC / 10-60VDC		10-30VDC / 10-55VDC / 10-60VDC	
Ripple	<10%		<10%	
No Load Current	<10mA		<10mA	
Max. Load Current	200mA		200mA	
Leakge Current	<0.01mA		<0.01mA	
Voltage Drop	< 1.5V		< 1.5V	
Switching Frequency	100HZ		100HZ	
Response Time	1ms/1ms		1ms/1ms	
Switching Hysteresis	<15%(Sr)		<15%(Sr)	
Repeat Accuracy	<1.0%(Sr)		<1.0%(Sr)	
Protection Category	IP67		IP67	
Operating Temperature	-25 °C - +70 °C		-25 °C - +70 °C	
Temperature Drift	<10%(Sr)		<10%(Sr)	
Short Circuit Protection	YES		YES	
Overload Trip Point	220MA		220MA	
Material Active Face	PBT		PBT	
DC 3 wire 10-30V NPN N.O.	D1P1-Q4015N-OES4	31	D1P2-Q4020N-OES4	31
DC 3 wire 10-30V NPN N.C.	D1P1-Q4015N-CES4	32	D1P2-Q4020N-CES4	32
DC 3 wire 10-30V PNP N.O.	D1P1-Q4015P-OES4	33	D1P2-Q4020P-OES4	33
DC 3 wire 10-30V PNP N.C.	D1P1-Q4015P-CES4	34	D1P2-Q4020P-CES4	34
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)	D1P1-Q4015P-SES4	36	D1P2-Q4020P-SES4	36
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)	D1P1-Q4015N-SES4	35	D1P2-Q4020N-SES4	35
DC 2 wire 10-60V N.O.	D4P1-Q4015C-OES4	37	D4P2-Q4020C-OES4	37
DC 2 wire 10-60V N.C.	D4P1-Q4015C-CES4	38	D4P2-Q4020C-CES4	38
DC 3 wire 10-55v NPN N.O.	D3P1-Q4015N-OES4	31	D3P2-Q4020N-OES4	31
DC 3 wire 10-55v NPN N.C.	D3P1-Q4015N-CES4	32	D3P2-Q4020N-CES4	32
DC 3 wire 10-55v PNP N.O.	D3P1-Q4015P-OES4	33	D3P2-Q4020P-OES4	33
DC 3 wire 10-55v PNP N.C.	D3P1-Q4015P-CES4	34	D3P2-Q4020P-CES4	34
DC 3 wire 5-36V PNP N.C.	-		-	
DC 3 wire 5-36V PNP N.O.	-		-	
DC 3 wire 5-36V NPN N.C.	-		-	
DC 3 wire 5-36V NPN N.O.	-		-	
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)	-		-	
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)	-		-	
Wiring diagram number				
Dimensions (unit: mm)				
Cable 2M (PVC)	M12 Euro-style		M12 Euro-style	
Weight	approx.170 g		approx.170 g	

Subject to modifications without notice

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