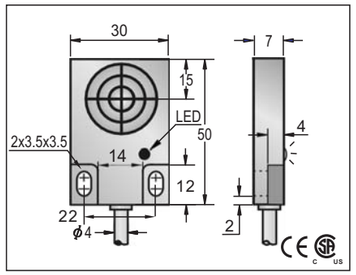
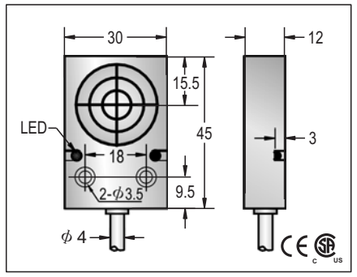
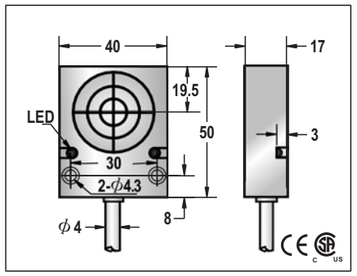
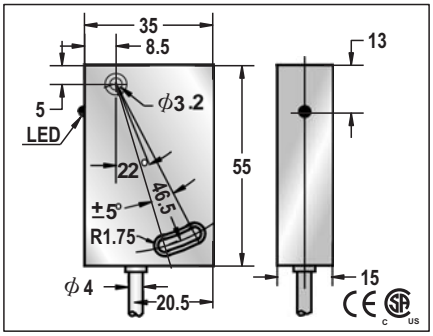
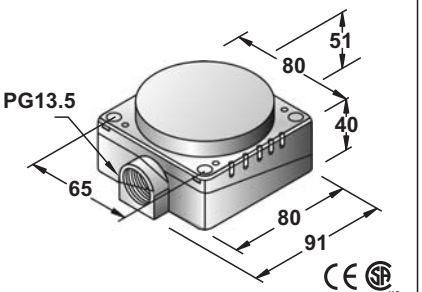
Q30x50x7、Q30x45x12、Q40x50x17

PART S-01 ~ S-21

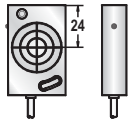
DC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE TYPE

Diameter	Q30x50x7		Q30x45x12		Q40x50x17	
● Shielded ○ non-Shielded	●	○	●	○	●	○
Switching Distance Sn mm	**2-10mm** (adjustable)	**2-15mm** (adjustable)	**2-20mm** (adjustable)	**2-30mm** (adjustable)	**2-30mm** (adjustable)	**2-40mm** (adjustable)
Housing Material	PBT RESIN		PBT RESIN		PBT RESIN	
● With LED ○ Without LED	●		●		●	
Dimensions (unit: mm)						
Operating Voltage	10-30VDC		10-30VDC		10-30VDC	
Ripple	<10%		<10%		<10%	
No Load Current	<10mA		<10mA		<10mA	
Max. Load Current	200mA		300mA		300mA	
Leakge Current	<0.01mA		<0.01mA		<0.01mA	
Surge Current	-		-		-	
Min. Load Current	-		-		-	
Voltage Drop	<2 VDC		<2 VDC		<2 VDC	
Switching Frequency	100HZ		100HZ		100HZ	
Response Time	1.5ms/1.5ms		1.5ms/1.5ms		1.5ms/1.5ms	
Switching Hysteresis	<15%(Sr)		<15%(Sr)		<15%(Sr)	
Repeat Accuracy	<5%(Sr)		<5%(Sr)		<5%(Sr)	
Protection Category	IP67		IP67		IP67	
Operating Temperature	-25℃—+70℃		-25℃—+70℃		-25℃—+70℃	
Temperature Drift	<10%(Sr)		<10%(Sr)		<10%(Sr)	
Short Circuit Protection	YES		YES		YES	
Overload Trip Point	220mA		350mA		350mA	
Time Delay Before Availability	<25ms		<25ms		<25ms	
EMC	RFI>3V/m / EFT>1KV / ESD>4KV (contact)		RFI>3V/m / EFT>1KV / ESD>4KV (contact)		RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
Shock / Vibration	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Material Active Face	PBT		PBT		PBT	
DC 3 wire 10-30V NPN N.O.	CQP1-3010N-A3U2T	1 CQP2-3015N-A3U2T	CQP1-3120N-A3U2T	1 CQP2-3130N-A3U2T	CQP1-4130N-A3U2T	1 CQP2-4140N-A3U2T
DC 3 wire 10-30V NPN N.C.	CQP1-3010N-B3U2T	2 CQP2-3015N-B3U2T	CQP1-3120N-B3U2T	2 CQP2-3130N-B3U2T	CQP1-4130N-B3U2T	2 CQP2-4140N-B3U2T
DC 3 wire 10-30V PNP N.O.	CQP1-3010P-A3U2T	3 CQP2-3015P-A3U2T	CQP1-3120P-A3U2T	3 CQP2-3130P-A3U2T	CQP1-4130P-A3U2T	3 CQP2-4140P-A3U2T
DC 3 wire 10-30V PNP N.C.	CQP1-3010P-B3U2T	4 CQP2-3015P-B3U2T	CQP1-3120P-B3U2T	4 CQP2-3130P-B3U2T	CQP1-4130P-B3U2T	4 CQP2-4140P-B3U2T
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)			CQP1-3120P-S4U2T	6 CQP2-3130P-S4U2T	CQP1-4130P-S4U2T	6 CQP2-4140P-S4U2T
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)			CQP1-3120N-S4U2T	5 CQP2-3130N-S4U2T	CQP1-4130N-S4U2T	5 CQP2-4140N-S4U2T
DC 2 wire 10-60V N.O.						
DC 2 wire 10-60V N.C.						
DC 3 wire 10-55v NPN N.O. or NAMUR						
DC 3 wire 10-55v NPN N.C.						
DC 3 wire 10-55v PNP N.O.						
DC 3 wire 10-55v PNP N.C.						
AC 2 wire 20-250V N.O.						
AC 2 wire 20-250V N.C.						
AC 2 wire 20-250V N.O. or N.C. Changeable						
AC/DC 2 wire 20-250V N.O.						
AC/DC 2 wire 20-250V N.C.						
AC/DC 2 wire 20-250V N.O. or N.C. Changeable						
Remark						
Cable 2M (PVC)	4ϕ3x0.15		4ϕ3x0.15		4ϕ3x0.15	
Weight	Approx.90 g		approx.100g		approx.120g	

DC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE TYPE

Q35x55x15	Q80	
● ○	○	
2-25mm (adjustable) **2-35mm** (adjustable)	**5-50mm** (adjustable)	
PBT RESIN	PBT RESIN	
●	●	
		
10-30VDC	10-30VDC	
<10%	<10%	
<10m A	<10m A	
300m A	300mA	
<0.01m A	<0.01m A	
-	-	
-	-	
<2 VDC	<2 VDC	
100HZ	100HZ	
1.5ms/1.5ms	1.5ms/1.5ms	
<15%(Sr)	<15%(Sr)	
<5%(Sr)	<5%(Sr)	
IP67	IP67	
-25°C—+70°C	-25°C—+70°C	
<10%(Sr)	<10%(Sr)	
YES	YES	
350mA	350mA	
<25ms	<25ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	PBT	

CQP1-3525N-A3U2T	1	CQP2-3535N-A3U2T	CQP2-8050N-A3UT	1	
CQP1-3525N-B3U2T	2	CQP2-3535N-B3U2T	CQP2-8050N-B3UT	2	
CQP1-3525P-A3U2T	3	CQP2-3535P-A3U2T	CQP2-8050P-A3UT	3	
CQP1-3525P-B3U2T	4	CQP2-3535P-B3U2T	CQP2-8050P-B3UT	4	
CQP1-3525P-S4U2T	6	CQP2-3535P-S4U2T	CQP2-8050P-S4UT	6	
CQP1-3525N-S4U2T	5	CQP2-3535N-S4U2T	CQP2-8050N-S4UT	5	



sensing face.

4φ3x0.15	4φ3x0.15	
approx.110g	approx.100g	