

PART S-01 ~ S-21

Diameter

Shielded non-Shielded

Switching Distance S_n mm

Housing Material

With LED Without LED

Dimensions (unit: mm)

Operating Voltage

Ripple

No Load Current

Max. Load Current

Leakge Current

Surge Current

Min. Load Current

Voltage Drop

Switching Frequency

Response Time

Switching Hysteresis

Repeat Accuracy

Protection Category

Operating Temperature

Temperature Drift

Short Circuit Protection

Overload Trip Point

Time Delay Before Availability

EMC

Shock / Vibration

Material Active Face

DC 3 wire 10-30V NPN N.O.

DC 3 wire 10-30V NPN N.C.

DC 3 wire 10-30V PNP N.O.

DC 3 wire 10-30V PNP N.C.

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. 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)

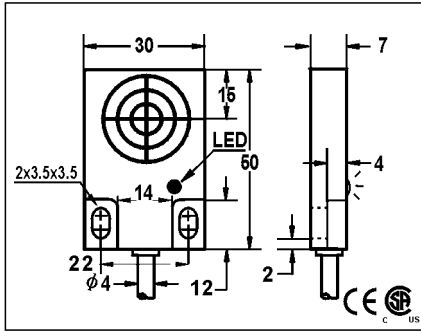
Weight

Please put each catalog page in the blank. The specification on the left will help your reading.

Q30x50x7、Q30x45x12、Q40x50x17

DC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE TYPE




Q30x50x7	
	
2-10 mm adjustable	2-15 mm adjustable
PBT RESIN	
	

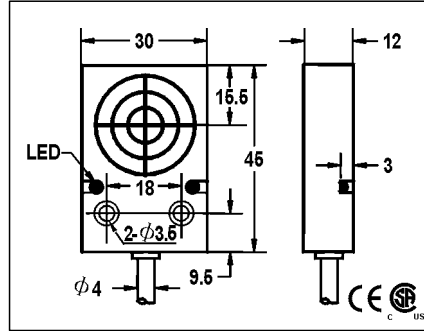


10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<2 VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C—+70°
<10%(Sr)
YES
220 mA
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP1-3010N-A3U2T	1	CQP2-3015N-A3U2T
CQP1-3010N-B3U2T	2	CQP2-3015N-B3U2T
CQP1-3010P-A3U2T	3	CQP2-3015P-A3U2T
CQP1-3010P-B3U2T	4	CQP2-3015P-B3U2T

4 ϕ 3x0.15
Approx.90 g




Q30x45x12	
	
2-20 mm adjustable	2-30 mm adjustable
PBT RESIN	
	

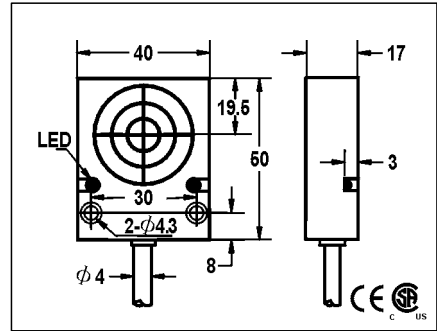


10-30VDC
<10%
<10mA
300mA
<0.01mA
-
-
<2 VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C—+70°C
<10%(Sr)
YES
350 mA
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP1-3120N-A3U2T	1	CQP2-3130N-A3U2T
CQP1-3120N-B3U2T	2	CQP2-3130N-B3U2T
CQP1-3120P-A3U2T	3	CQP2-3130P-A3U2T
CQP1-3120P-B3U2T	4	CQP2-3130P-B3U2T
CQP1-3120P-S4U2T	6	CQP2-3130P-S4U2T
CQP1-3120N-S4U2T	5	CQP2-3130N-S4U2T

4 ϕ 3x0.15
approx.100g

Q40x50x17	
	
2-30 mm adjustable	2-40 mm adjustable
PBT RESIN	
	



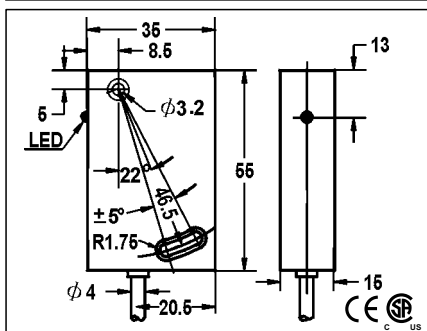
10-30VDC
<10%
<10mA
300mA
<0.01mA
-
-
<2 VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C—+70°C
<10%(Sr)
YES
350 mA
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP1-4130N-A3U2T	1	CQP2-4140N-A3U2T
CQP1-4130N-B3U2T	2	CQP2-4140N-B3U2T
CQP1-4130P-A3U2T	3	CQP2-4140P-A3U2T
CQP1-4130P-B3U2T	4	CQP2-4140P-B3U2T
CQP1-4130P-S4U2T	6	CQP2-4140P-S4U2T
CQP1-4130N-S4U2T	5	CQP2-4140N-S4U2T

4 ϕ 3x0.15
approx.120g

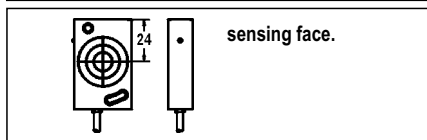
DC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE TYPE

Q35x55x15	
●	○
2-25 mm adjustable	2-35 mm adjustable
PBT RESIN	
●	



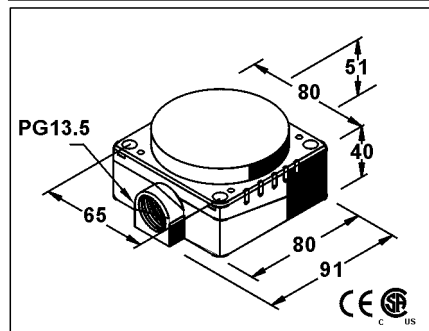
10-30VDC
<10%
<10m A
300m A
<0.01m A
-
-
<2 VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C — +70°C
<10%(Sr)
YES
350mA
<25m s
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

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



4 ϕ 3x0.15
approx.110g

Q80	
○	
5 - 50 mm adjustable	
PBT RESIN	
○	



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

1	CQP2-8050N-A3UT
2	CQP2-8050N-B3UT
3	CQP2-8050P-A3UT
4	CQP2-8050P-B3UT
6	CQP2-8050P-S4UT
5	CQP2-8050N-S4UT

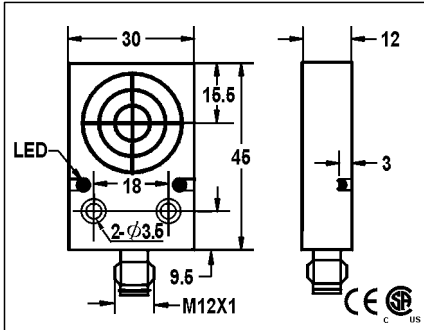


4 ϕ 3x0.15
approx.100g

Q30x45x12、Q40x50x17、Q35x55x15

DC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE CONNECTOR TYPE

Q30x45x12	
●	○
2-20 mm adjustable	2-30 mm adjustable
PBT RESIN	
●	



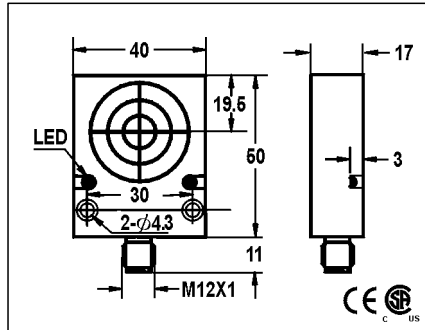
10-30VDC	
<10%	
<10mA	
300mA	
<0.01mA	
-	
-	
<2 VDC	
100HZ	
1.5ms/1.5ms	
<15%(Sr)	
<5%(Sr)	
IP67	
-25°C— +70°C	
<10%(Sr)	
YES	
350mA	
<25ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

CQP1-3120N-ARUT	29	CQP2-3130N-ARUT
CQP1-3120N-BRUT	30	CQP2-3130N-BRUT
CQP1-3120P-ARUT	31	CQP2-3130P-ARUT
CQP1-3120P-BRUT	32	CQP2-3130P-BRUT
CQP1-3120P-SRUT	34	CQP2-3130P-SRUT
CQP1-3120N-SRUT	33	CQP2-3130N-SRUT



approx.65g

Q40x50x17	
●	○
2-30 mm adjustable	2-40 mm adjustable
PBT RESIN	
●	



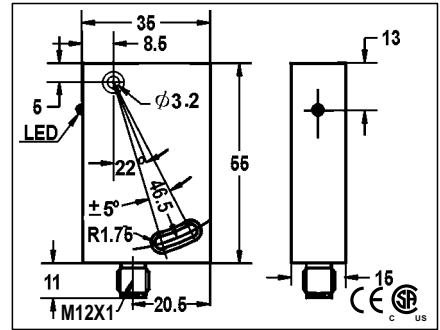
10-30VDC	
<10%	
<10mA	
300mA	
<0.01mA	
-	
-	
<2 VDC	
100HZ	
1.5ms/1.5ms	
<15%(Sr)	
<5%(Sr)	
IP67	
-25°C— +70°C	
<10%(Sr)	
YES	
350mA	
<25ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

CQP1-4130N-ARUT	29	CQP2-4140N-ARUT
CQP1-4130N-BRUT	30	CQP2-4140N-BRUT
CQP1-4130P-ARUT	31	CQP2-4140P-ARUT
CQP1-4130P-BRUT	32	CQP2-4140P-BRUT
CQP1-4130P-SRUT	34	CQP2-4140P-SRUT
CQP1-4130N-SRUT	33	CQP2-4140N-SRUT



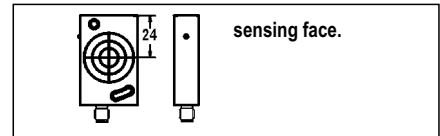
approx.85g

Q35x55x15	
●	○
2-25 mm adjustable	2-35 mm adjustable
PBT RESIN	
●	



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

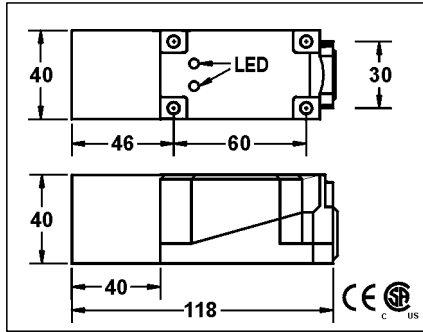
CQP1-3525N-ARUT	29	CQP2-3535N-ARUT
CQP1-3525N-BRUT	30	CQP2-3535N-BRUT
CQP1-3525P-ARUT	31	CQP2-3535P-ARUT
CQP1-3525P-BRUT	32	CQP2-3535P-BRUT
CQP1-3525P-SRUT	34	CQP2-3535P-SRUT
CQP1-3525N-SRUT	33	CQP2-3535N-SRUT



approx.75g

DC CAPACITIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING HEAD TYPE

Q40	
●	○
2-30mm adjustable	2-40mm adjustable
PBT RESIN	



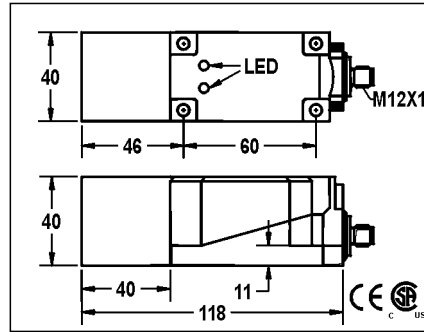
10-30VDC
<10%
<10mA
300mA
<0.01mA
-
-
<0.8VCD/50mA, 2VDC/300mA
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C — +70°C
<10%(Sr)
YES
350mA
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

CQP1-4030N-A3U	1	CQP2-4040N-A3U
CQP1-4030N-B3U	2	CQP2-4040N-B3U
CQP1-4030P-A3U	3	CQP2-4040P-A3U
CQP1-4030P-B3U	4	CQP2-4040P-B3U
CQP1-4030P-S4U	6	CQP2-4040P-S4U
CQP1-4030N-S4U	5	CQP2-4040N-S4U



approx.442g

Q40	
●	○
2-30mm adjustable	2-40mm adjustable
PBT RESIN	



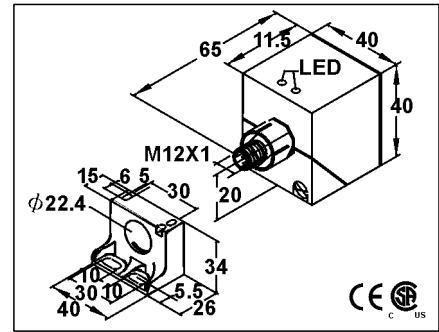
10-30VDC
<10%
<10mA
300mA
<0.01mA
-
-
<0.8VCD/50mA, 2VDC/300mA
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C — +70°C
<10%(Sr)
YES
350mA
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

CQP1-4030N-ARU4	29	CQP2-4040N-ARU4
CQP1-4030N-BRU4	30	CQP2-4040N-BRU4
CQP1-4030P-ARU4	31	CQP2-4040P-ARU4
CQP1-4030P-BRU4	32	CQP2-4040P-BRU4
CQP1-4030P-SRU4	34	CQP2-4040P-SRU4
CQP1-4030N-SRU4	33	CQP2-4040N-SRU4



approx.450g

Q40s	
●	○
2-30mm adjustable	2-40mm adjustable
PBT RESIN	



10-30VDC
<10%
<10mA
300mA
<0.01mA
-
-
<0.8VCD/50mA, 2VDC/300mA
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C — +70°C
<10%(Sr)
YES
350mA
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

CQP1-4030N-ARS4	29	CQP2-4040N-ARS4
CQP1-4030N-BRS4	30	CQP2-4040N-BRS4
CQP1-4030P-ARS4	31	CQP2-4040P-ARS4
CQP1-4030P-BRS4	32	CQP2-4040P-BRS4
CQP1-4030P-SRS4	34	CQP2-4040P-SRS4
CQP1-4030N-SRS4	33	CQP2-4040N-SRS4



approx.450g

Q30x45x12, Q40x50x17, Q35x55x15

AC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE CONNECTOR TYPE

Q30x45x12		
●	○	
2-20 mm adjustable	2-30 mm adjustable	
PBT RESIN		
●		
20-250VAC		
-		
<2.5mA		
300mA		
2.5mA		
5A		
5mA		
<9VAC AT 300MA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<5%(Sr)		
IP67		
-25°C-- +70°C		
<10%(Sr)		
-		
-		
<25ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2		
PBT		
CQP1-3120A-AUL3T	54	CQP2-3130A-AUL3T
CQP1-3120A-BUL3T	54	CQP2-3130A-BUL3T
approx.65g		

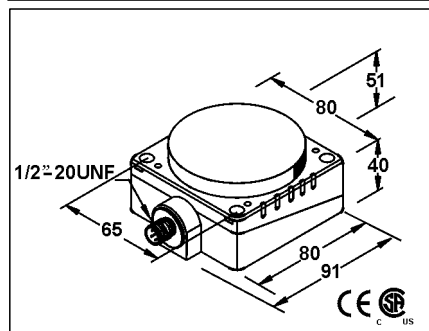
Q40x50x17		
●	○	
2-30 mm adjustable	2-40 mm adjustable	
PBT RESIN		
●		
20-250VAC		
-		
<2.5mA		
300mA		
2.5mA		
5A		
5mA		
<9VAC AT 300MA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<5%(Sr)		
IP67		
-25°C-- +70°C		
<10%(Sr)		
-		
-		
<25ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2		
PBT		
CQP1-4130A-AUL3T	54	CQP2-4140A-AUL3T
CQP1-4130A-BUL3T	54	CQP2-4140A-BUL3T
approx.85g		

Q35x55x15		
●	○	
2-25 mm adjustable	2-35 mm adjustable	
PBT RESIN		
●		
20-250VAC		
-		
<2.5mA		
300mA		
2.5mA		
5A		
5mA		
<9VAC AT 300MA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<5%(Sr)		
IP67		
-25°C-- +70°C		
<10%(Sr)		
-		
-		
<25ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2		
PBT		
CQP1-3525A-AUL3T	54	CQP2-3535A-AUL3T
CQP1-3525A-BUL3T	54	CQP2-3535A-BUL3T
approx.75g		

sensing face.

AC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE CONNECTOR TYPE

Q80
○
5 - 50 mm adjustable
PBT RESIN
●

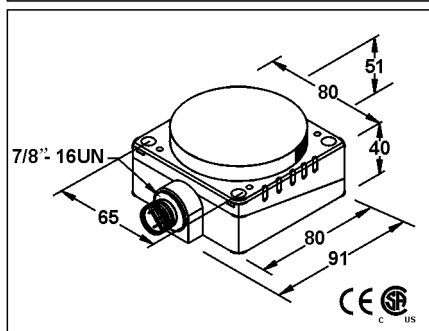


20-250VAC
-
<2.5mA
300mA
2.5mA
5A
5mA
<9VAC AT 300MA
<25HZ
10ms/10ms
<15%(Sr)
<5%(Sr)
IP67
-25°C- + 70°C
<10%(Sr)
-
-
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP2-8050A-AUL3T	54
CQP2-8050A-BUL3T	54
CQP2-8050A-CUL5T	58

approx.100g

Q80
○
5 - 50 mm adjustable
PBT RESIN
●

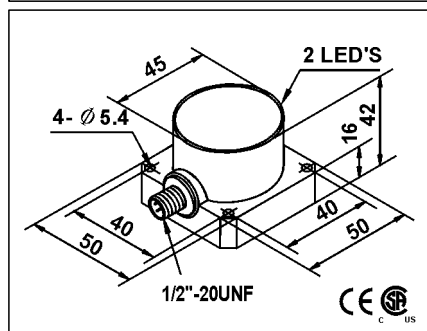


20-250VAC
-
<2.5mA
300mA
2.5mA
5A
5mA
<9VAC AT 300MA
<25HZ
10ms/10ms
<15%(Sr)
<5%(Sr)
IP67
-25°C- + 70°C
<10%(Sr)
-
-
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP2-8050A-AZL2T	62
CQP2-8050A-BZL2T	62
CQP2-8050A-CZL4T	66

approx.100g

Q50s
○
2 - 30 mm adjustable
PBT RESIN
●



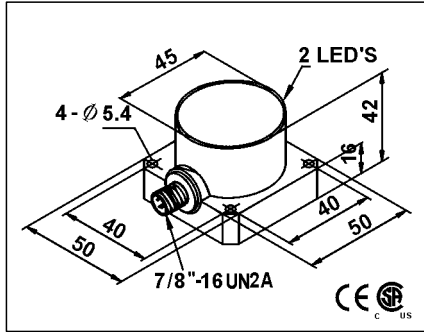
20-250VAC
-
<2.5mA
300mA
2.5mA
5A
5mA
<9VAC AT 300MA
<25HZ
10ms/10ms
<15%(Sr)
<5%(Sr)
IP67
-25°C- + 70°C
<10%(Sr)
-
-
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP2-5030A-AUL3T	54
CQP2-5030A-BUL3T	54
CQP2-5030A-CUL5T	58

approx.70g

AC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE CONNECTOR TYPE

Q50s
O
2-30 mm adjustable
PBT RESIN
●

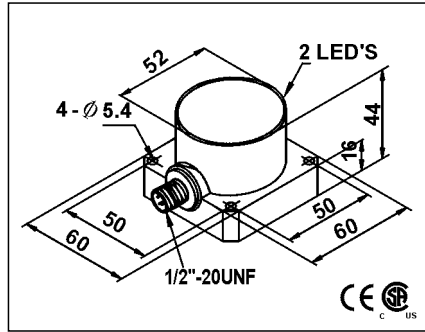


20-250VAC
-
<2.5mA
300mA
2.5mA
5A
5mA
<9VAC AT 300MA
<25HZ
10ms/10ms
<15%(Sr)
<5%(Sr)
IP67
-25°C--+70°C
<10%(Sr)
-
-
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP2-5030A-AZL2T	62
CQP2-5030A-BZL2T	62
CQP2-5030A-CZL4T	66

approx.100g

Q60s
O
2-40 mm adjustable
PBT RESIN
●

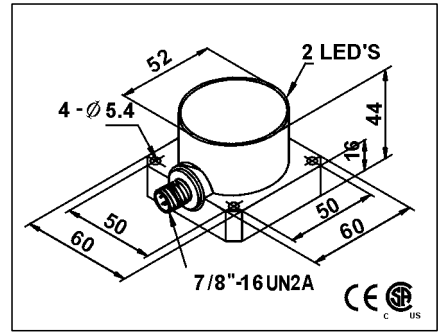


20-250VAC
-
<2.5mA
300mA
2.5mA
5A
5mA
<9VAC AT 300MA
<25HZ
10ms/10ms
<15%(Sr)
<5%(Sr)
IP67
-25°C--+70°C
<10%(Sr)
-
-
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP2-6040A-AUL3T	54
CQP2-6040A-BUL3T	54
CQP2-6040A-CUL5T	58

approx.100g

Q60s
O
2-40 mm adjustable
PBT RESIN
●

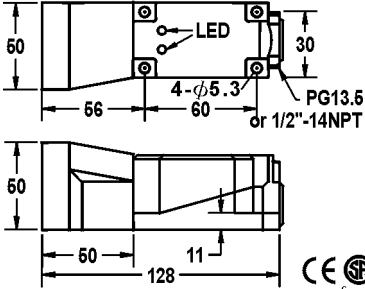
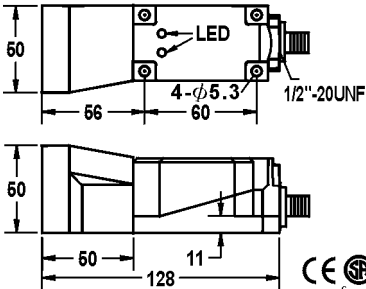
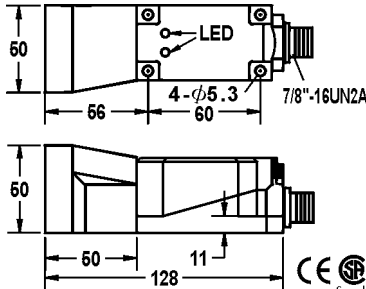


20-250VAC
-
<2.5mA
300mA
2.5mA
5A
5mA
<9VAC AT 300MA
<25HZ
10ms/10ms
<15%(Sr)
<5%(Sr)
IP67
-25°C--+70°C
<10%(Sr)
-
-
<25ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

CQP2-6040A-AZL2T	62
CQP2-6040A-BZL2T	62
CQP2-6040A-CZL4T	66

approx.70g

AC/DC CAPACITIVE PROXIMITY SWITCH PLASTIC HOUSING SQUARE TYPE

Q50	Q50	Q50
○	○	○
2- 50 mm adjustable	2- 50 mm adjustable	2- 50 mm adjustable
PBT RESIN	PBT RESIN	PBT RESIN
●	●	●
 <p>Technical drawing of the Q50 proximity switch showing front and side views. Dimensions include a square housing width of 56mm, an LED lens diameter of 4-φ5.3mm, and a mounting hole diameter of 6mm. The mounting thread is PG13.5 or 1/2"-14NPT. The side view shows a total length of 128mm and a distance of 50mm from the front face to the start of the mounting thread. An LED is shown in the front view.</p>	 <p>Technical drawing of the Q50 proximity switch showing front and side views. Dimensions include a square housing width of 56mm, an LED lens diameter of 4-φ5.3mm, and a mounting hole diameter of 6mm. The mounting thread is 1/2"-20UNF. The side view shows a total length of 128mm and a distance of 50mm from the front face to the start of the mounting thread. An LED is shown in the front view.</p>	 <p>Technical drawing of the Q50 proximity switch showing front and side views. Dimensions include a square housing width of 56mm, an LED lens diameter of 4-φ5.3mm, and a mounting hole diameter of 6mm. The mounting thread is 7/8"-16UN2A. The side view shows a total length of 128mm and a distance of 50mm from the front face to the start of the mounting thread. An LED is shown in the front view.</p>
20-250VAC,50-60Hz;20-250VDC	20-250VAC,50-60Hz;20-250VDC	20-250VAC,50-60Hz;20-250VDC
DC RIPPLE <10%	DC RIPPLE <10%	DC RIPPLE <10%
<2.5mA	<2.5mA	<2.5mA
200mA	200mA	200mA
<2.5mA	<2.5mA	<2.5mA
2.2A for 20ms	2.2A for 20ms	2.2A for 20ms
5mA	5mA	5mA
<=10VAC;<=8VDC	<=10VAC;<=8VDC	<=10VAC;<=8VDC
25HZ AC;40Hz DC	25HZ AC;40Hz DC	25HZ AC;40Hz DC
10ms/10ms	10ms/10ms	10ms/10ms
1%-15% of Sensing Range	1%-15% of Sensing Range	1%-15% of Sensing Range
<1%(Sr)	<1%(Sr)	<1%(Sr)
IP67	IP67	IP67
-25°C- + 70°C	-25°C- + 70°C	-25°C- + 70°C
<+/-15% of Sensing Range	<+/-15% of Sensing Range	<+/-15% of Sensing Range
-	-	-
-	-	-
-	-	-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	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	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT	PBT	PBT
CQP2-5050U-A2L	CQP2-5050U-AUL3	CQP2-5050U-AZL2
9	57	62
CQP2-5050U-B2L	CQP2-5050U-BUL3	CQP2-5050U-BZL2
10	57	62
approx.85g	approx.75g	approx.100g

