

PART C-01~ C-55

Diameter

● Shielded ○ non-Shielded

Switching Distance Sn 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

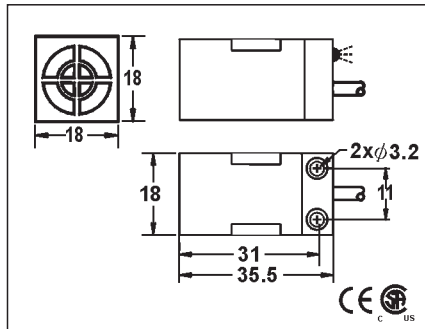
Please put each catalog page in the blank. The specification on the left will help your reading.

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

[illegible][illegible]

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q 18
○
4 mm
ABS RESIN
●



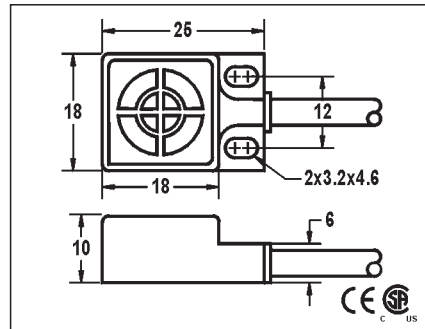
10-30VDC or 10-55VDC
<10%
<10mA or 20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ABS

FQP2-1804N-A3U2	1
FQP2-1804N-B3U2	2
FQP2-1804P-A3U2	3
FQP2-1804P-B3U2	4
FQP2-1804C-A2U2	7
FQP2-1804C-B2U2	8
HQP2-1804N-A3U2	1
HQP2-1804N-B3U2	2
HQP2-1804P-A3U2	3
HQP2-1804P-B3U2	4

1. DC 2 wire type see page 17.
2. voltage drop:<1.5V(10-30V),<2V(10-55V).
3. 10-55V type: no load current < 20mA.

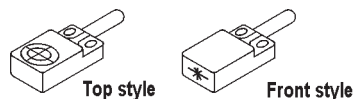
4 φ 3x0.15
Approx.58 g

Q 18B
○
2 mm
POM RESIN
●



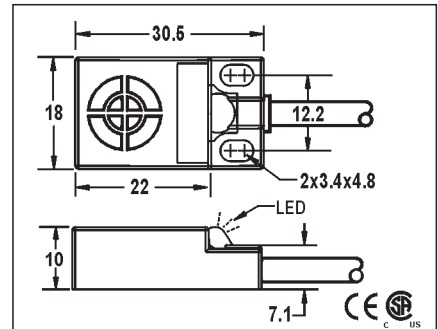
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ABS

FQP2-18B02N-A3U2T	1	FQP2-18B02N-A3U2F
FQP2-18B02N-B3U2T	2	FQP2-18B02N-B3U2F
FQP2-18B02P-A3U2T	3	FQP2-18B02P-A3U2F
FQP2-18B02P-B3U2T	4	FQP2-18B02P-B3U2F
FQP2-18B02C-A2U2T	7	FQP2-18B02C-A2U2F
FQP2-18B02C-B2U2T	8	FQP2-18B02C-B2U2F



4 φ 3x0.15
Approx.46 g

Q 18C
●
4 mm
POM RESIN
●



10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or 2.0V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

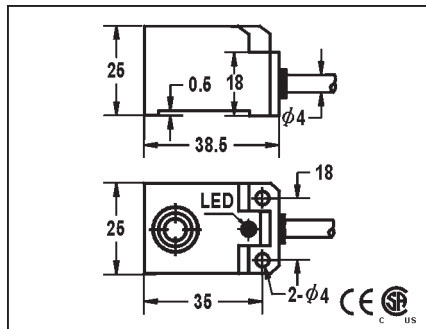
FQP2-18C04N-A3U2T	1
FQP2-18C04N-B3U2T	2
FQP2-18C04P-A3U2T	3
FQP2-18C04P-B3U2T	4
FQP2-18C04C-A2U2T	7
FQP2-18C04C-B2U2T	8
HQP2-18C04N-A3U2T	1
HQP2-18C04N-B3U2T	2
HQP2-18C04P-A3U2T	3
HQP2-18C04P-B3U2T	4



4 φ 3x0.15
Approx.51 g

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q25s
●
10 mm
PBT RESIN
●



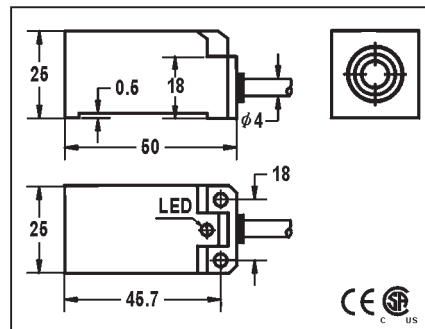
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
300HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +75°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

FQP1-2510N-A3S2T	1
FQP1-2510N-B3S2T	2
FQP1-2510P-A3S2T	3
FQP1-2510P-B3S2T	4
FQP1-2510P-S4S2T	6
FQP1-2510N-S4S2T	5
FQP1-2510C-A2S2T	7
FQP1-2510C-B2S2T	8
HQP1-2510N-A3U2T	1
HQP1-2510N-B3U2T	2
HQP1-2510P-A3U2T	3
HQP1-2510P-B3U2T	4

1. DC 2 wire type see page 17.
2. voltage drop: <1.5V(10-30V), <2V(10-55V).
3. 10-55V type: no load current < 20mA.

4 ϕ 3x0.34
Approx.110 g

Q25
●
10 mm
PBT RESIN
●

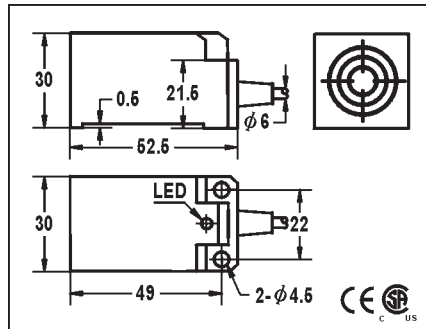


10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
300HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

FQP1-2510N-A3U2F	1
FQP1-2510N-B3U2F	2
FQP1-2510P-A3U2F	3
FQP1-2510P-B3U2F	4
FQP1-2510P-S4U2F	6
FQP1-2510N-S4U2F	5
FQP1-2510C-A2U2F	7
FQP1-2510C-B2U2F	8
HQP1-2510N-A3U2F	1
HQP1-2510N-B3U2F	2
HQP1-2510P-A3U2F	3
HQP1-2510P-B3U2F	4

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q30	
	
10 mm	15 mm
PBT RESIN	
	



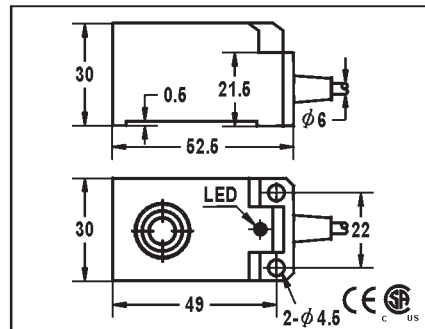
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +70℃
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

FQP1-3010N-A3U2F	1	FQP2-3015N-A3U2F
FQP1-3010N-B3U2F	2	FQP2-3015N-B3U2F
FQP1-3010P-A3U2F	3	FQP2-3015P-A3U2F
FQP1-3010P-B3U2F	4	FQP2-3015P-B3U2F
FQP1-3010P-S4U2F	6	FQP2-3015P-S4U2F
FQP1-3010N-S4U2F	5	FQP2-3015N-S4U2F
FQP1-3010C-A2U2F	7	FQP2-3015C-A2U2F
FQP1-3010C-B2U2F	8	FQP2-3015C-B2U2F
HQP1-3010N-A3U2F	1	HQP2-3015N-A3U2F
HQP1-3010N-B3U2F	2	HQP2-3015N-B3U2F
HQP1-3010P-A3U2F	3	HQP2-3015P-A3U2F
HQP1-3010P-B3U2F	4	HQP2-3015P-B3U2F

1. DC 2 wire type see page 17.
2. voltage drop: <1.5V(10-30V), <2V(10-55V).
3. 10-55V type: no load current < 20mA.

5.8φ3x0.5
Approx.155 g

Q30	
	
10 mm	15 mm
PBT RESIN	
	

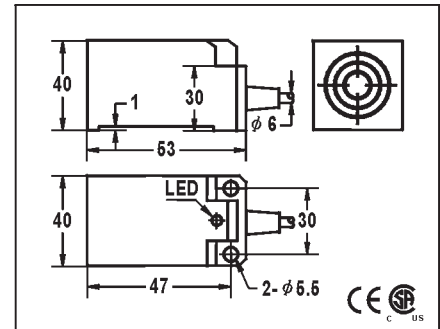


10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +75℃
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

FQP1-3010N-A3U2T	1	FQP2-3015N-A3U2T
FQP1-3010N-B3U2T	2	FQP2-3015N-B3U2T
FQP1-3010P-A3U2T	3	FQP2-3015P-A3U2T
FQP1-3010P-B3U2T	4	FQP2-3015P-B3U2T
FQP1-3010P-S4U2T	6	FQP2-3015P-S4U2T
FQP1-3010N-S4U2T	5	FQP2-3015N-S4U2T
FQP1-3010C-A2U2T	7	FQP2-3015C-A2U2T
FQP1-3010C-B2U2T	8	FQP2-3015C-B2U2T
HQP1-3010N-A3U2T	1	HQP2-3015N-A3U2T
HQP1-3010N-B3U2T	2	HQP2-3015N-B3U2T
HQP1-3010P-A3U2T	3	HQP2-3015P-A3U2T
HQP1-3010P-B3U2T	4	HQP2-3015P-B3U2T

5.8φ3x0.5
Approx.155 g

Q40	
	
15 mm	30 mm
PBT RESIN	
	



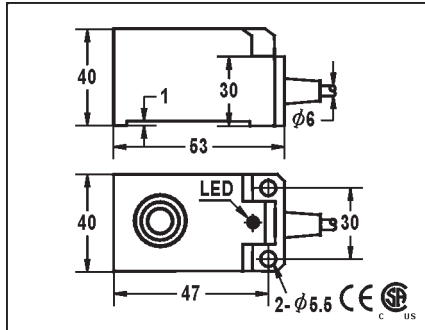
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +70℃
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

FQP1-4515N-A3U2F	1	FQP2-4530N-A3U2F
FQP1-4515N-B3U2F	2	FQP2-4530N-B3U2F
FQP1-4515P-A3U2F	3	FQP2-4530P-A3U2F
FQP1-4515P-B3U2F	4	FQP2-4530P-B3U2F
FQP1-4515P-S4U2F	6	FQP2-4530P-S4U2F
FQP1-4515N-S4U2F	5	FQP2-4530N-S4U2F
FQP1-4515C-A2U2F	7	FQP2-4530C-A2U2F
FQP1-4515C-B2U2F	8	FQP2-4530C-B2U2F
HQP1-4515N-A3U2F	1	HQP2-4530N-A3U2F
HQP1-4515N-B3U2F	2	HQP2-4530N-B3U2F
HQP1-4515P-A3U2F	3	HQP2-4530P-A3U2F
HQP1-4515P-B3U2F	4	HQP2-4530P-B3U2F

5.8φ3x0.5
Approx.190 g

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q40	
15 mm	30 mm
PBT RESIN	



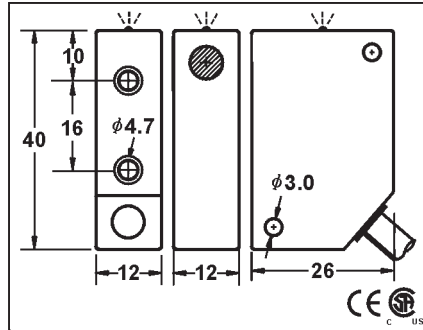
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

FQP1-4515N-A3U2T	1	FQP2-4530N-A3U2T
FQP1-4515N-B3U2T	2	FQP2-4530N-B3U2T
FQP1-4515P-A3U2T	3	FQP2-4530P-A3U2T
FQP1-4515P-B3U2T	4	FQP2-4530P-B3U2T
FQP1-4515P-S4U2T	6	FQP2-4530P-S4U2T
FQP1-4515N-S4U2T	5	FQP2-4530N-S4U2T
FQP1-4515C-A2U2T	7	FQP2-4530C-A2U2T
FQP1-4515C-B2U2T	8	FQP2-4530C-B2U2T
HQP1-4515N-A3U2T	1	HQP2-4530N-A3U2T
HQP1-4515N-B3U2T	2	HQP2-4530N-B3U2T
HQP1-4515P-A3U2T	3	HQP2-4530P-A3U2T
HQP1-4515P-B3U2T	4	HQP2-4530P-B3U2T

1. DC 2 wire type see page 17.
2. voltage drop: <1.5V(10-30V), <2V(10-55V).
3. 10-55V type: no load current < 20mA.

5.8 φ 3x0.5
Approx.190 g

Q25x40x12	
2 mm	4 mm
PBT RESIN	

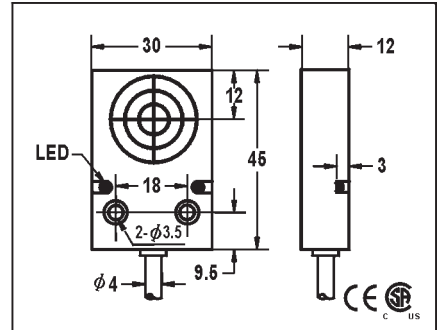


10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
300HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

FQP1-4002N-A3U2	1	FQP2-4004N-A3U2
FQP1-4002N-B3U2	2	FQP2-4004N-B3U2
FQP1-4002P-A3U2	3	FQP2-4004P-A3U2
FQP1-4002P-B3U2	4	FQP2-4004P-B3U2
FQP1-4002P-S4U2	6	FQP2-4004P-S4U2
FQP1-4002N-S4U2	5	FQP2-4004N-S4U2
FQP1-4002C-A2U2	7	FQP2-4004C-A2U2
FQP1-4002C-B2U2	8	FQP2-4004C-B2U2
HQP1-4002N-A3U2	1	HQP2-4004N-A3U2
HQP1-4002N-B3U2	2	HQP2-4004N-B3U2
HQP1-4002P-A3U2	3	HQP2-4004P-A3U2
HQP1-4002P-B3U2	4	HQP2-4004P-B3U2

4.0 φ 3x0.15
Approx.133 g

Q30x45x12	
10 mm	15 mm
PBT RESIN	

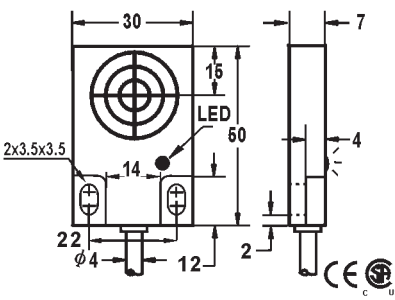


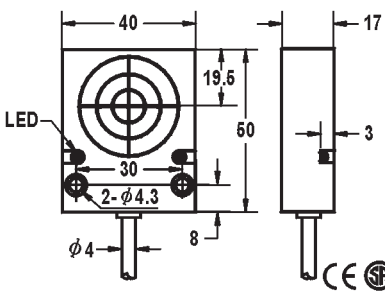
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

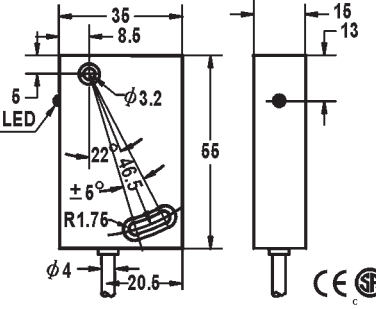
FQP1-3110N-A3U2T	1	FQP2-3115N-A3U2T
FQP1-3110N-B3U2T	2	FQP2-3115N-B3U2T
FQP1-3110P-A3U2T	3	FQP2-3115P-A3U2T
FQP1-3110P-B3U2T	4	FQP2-3115P-B3U2T
FQP1-3110P-S4U2T	6	FQP2-3115P-S4U2T
FQP1-3110N-S4U2T	5	FQP2-3115N-S4U2T
FQP1-3110C-A2U2T	7	FQP2-3115C-A2U2T
FQP1-3110C-B2U2T	8	FQP2-3115C-B2U2T
HQP1-3110N-A3U2T	1	HQP2-3115N-A3U2T
HQP1-3110N-B3U2T	2	HQP2-3115N-B3U2T
HQP1-3110P-A3U2T	3	HQP2-3115P-A3U2T
HQP1-3110P-B3U2T	4	HQP2-3115P-B3U2T

4 φ 3x0.34
Approx.100 g

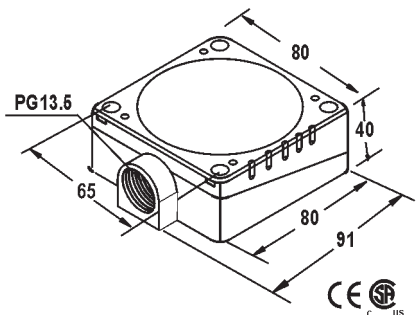
DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q30x50x7		
		
10 mm		15 mm
PBT RESIN		
		
		
10-30VDC or 10-55VDC		
<10%		
<10mA or <20mA		
200mA		
<0.01mA		
-		
-		
<1.5V or <2.0V		
100HZ		
1ms/1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
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		
FQP1-3110N-A3S2T	1	FQP2-3115N-A3S2T
FQP1-3110N-B3S2T	2	FQP2-3115N-B3S2T
FQP1-3110P-A3S2T	3	FQP2-3115P-A3S2T
FQP1-3110P-B3S2T	4	FQP2-3115P-B3S2T
FQP1-3110P-A4S2T	6	FQP2-3115P-S4S2T
FQP1-3110N-S4S2T	5	FQP2-3115N-S4S2T
FQP1-3110C-A2S2T	7	FQP2-3115C-A2S2T
FQP1-3110C-B2S2T	8	FQP2-3115C-B2S2T
HQP1-3110N-A3S2T	1	HQP2-3115N-A3S2T
HQP1-3110N-B3S2T	2	HQP2-3115N-B3S2T
HQP1-3110P-A3S2T	3	HQP2-3115P-A3S2T
HQP1-3110P-B3S2T	4	HQP2-3115P-B3S2T
1. DC 2 wire type see page 17. 2. voltage drop:<1.5V(10-30V),<2V(10-55V). 3. 10-55V type: no load current < 20mA.		
4 ϕ 3x0.34		
Approx.100 g		

Q40x50x17		
		
15 mm	30 mm	
PBT RESIN		
		
		
10-30VDC or 10-55VDC		
<10%		
<10mA or <20mA		
200mA		
<0.01mA		
-		
-		
<1.5V or <2.0V		
100HZ		
1ms/1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25℃ - +70℃		
<10%(Sr)		
YES		
220mA		
<10ms		
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		
FQP1-4115N-A3U2T	1	FQP2-4130N-A3U2T
FQP1-4115N-B3U2T	2	FQP2-4130N-B3U2T
FQP1-4115P-A3U2T	3	FQP2-4130P-A3U2T
FQP1-4115P-B3U2T	4	FQP2-4130P-B3U2T
FQP1-4115P-S4U2T	6	FQP2-4130P-S4U2T
FQP1-4115N-S4U2T	5	FQP2-4130N-S4U2T
FQP1-4115C-A2U2T	7	FQP2-4130C-A2U2T
FQP1-4115C-B2U2T	8	FQP2-4130C-B2U2T
HQP1-4115N-A3U2T	1	HQP2-4130N-A3U2T
HQP1-4115N-B3U2T	2	HQP2-4130N-B3U2T
HQP1-4115P-A3U2T	3	HQP2-4130P-A3U2T
HQP1-4115P-B3U2T	4	HQP2-4130P-B3U2T
4 φ3x0.34		
Approx.120 g		

Q35x55x15	
	
10 mm	15 mm
PBT RESIN	
	
	
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DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q80		
●		○
40 mm		50 mm
PBT RESIN		
●		
		
10-30VDC or 10-55VDC		
<10%		
<10mA or <20mA		
200mA		
<0.01mA		
-		
-		
<1.5V or <2.0V		
100HZ		
1ms/1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
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		
FQP1-8040N-A3UT	1	FQP2-8050N-A3UT
FQP1-8040N-B3UT	2	FQP2-8050N-B3UT
FQP1-8040P-A3UT	3	FQP2-8050P-A3UT
FQP1-8040P-B3UT	4	FQP2-8050P-B3UT
FQP1-8040P-S4UT	6	FQP2-8050P-S4UT
FQP1-8040N-S4UT	5	FQP2-8050N-S4UT
FQP1-8040C-A2UT	7	FQP2-8050C-A2UT
FQP1-8040C-B2UT	8	FQP2-8050C-B2UT
HQP1-8040N-A3UT	1	HQP2-8050N-A3UT
HQP1-8040N-B3UT	2	HQP2-8050N-B3UT
HQP1-8040P-A3UT	3	HQP2-8050P-A3UT
HQP1-8040P-B3UT	4	HQP2-8050P-B3UT
1. DC 2 wire type see page 17. 2. voltage drop:<1.5V(10-30V), <2V(10-55V). 3. 10-55V type: no load current < 20mA.		
Approx.110 g		