

PART C-1 ~ 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 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 20-250V N.O. or N.C. Changeable
Remark
Cable 2M (PVC)
Weight

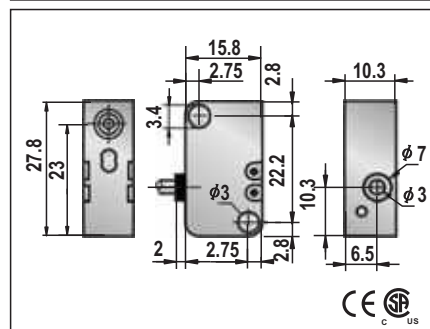
DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

[illegible][illegible][illegible]

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q16x28x10	
	
1 mm	2 mm
PBT RESIN	
	

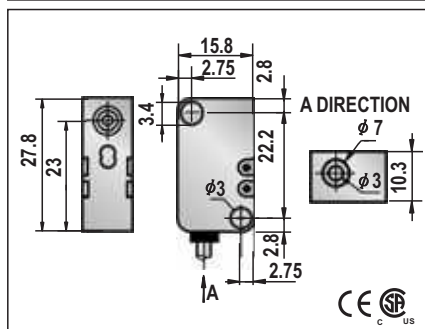


10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
-

[illegible]

3 ϕ 3x0.15
Approx.55 g

Q16x28x10	
	
1 mm	2 mm
PBT RESIN	
	



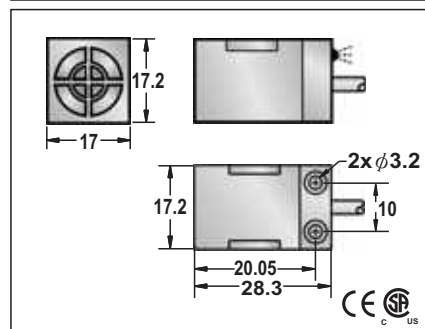
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
-

[illegible]

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

3 ϕ 3x0.15
Approx.55 g

Q 16
○
4 mm
ABS 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
POM

[illegible]

4 ϕ 3x0.15
Approx.55 g

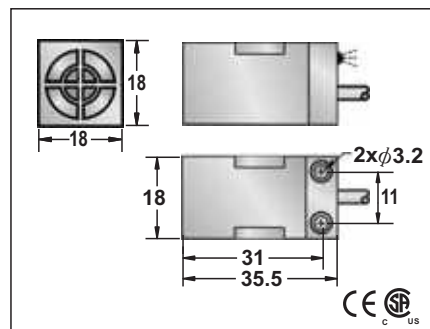
Q18、 Q18B、 Q18C

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

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

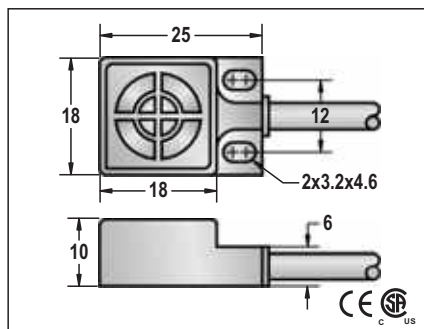
[illegible]

1. Voltage Drop: $<1.5V(10-30V)$, $<2V(10-55V)$.
2. 10-55V type: No Load Current $< 20mA$.
3. Please see Page 18 for details and specifications of DC 2-Wire models on this page.

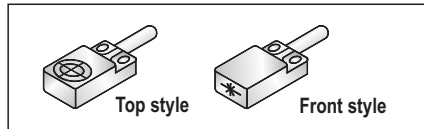
4 ϕ 3x0.15
Approx.58 g

Q 18B

2 mm
POM RESIN

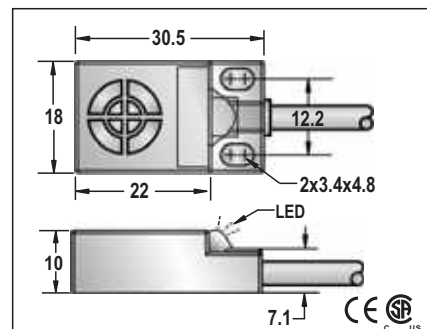



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PQM

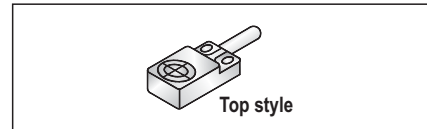
[illegible]

4 ϕ 3x0.15
Approx.46 g

Q 18C
●
4 mm
POM RESIN
●



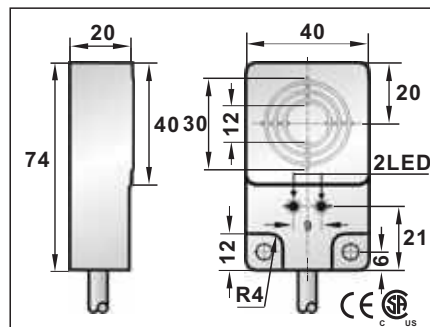
10-30VDC	or	10-55VDC
<10%		
<10mA	or	<20mA
200mA		
<0.01mA		
-		
-		
<1.5V	or	2.0V
500HZ		
0.5ms/0.5ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
POM		

[illegible]

4 ϕ 3x0.15
Approx.51 g

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q 42
●
20 mm
PBT RESIN
●



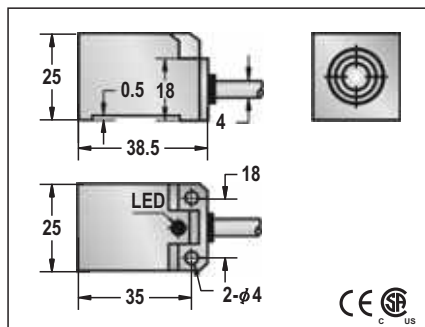
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

[illegible]

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

4φ 3x0.15
Approx.130 g

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 - +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		
-		

FQP1-2510N-A3S2F	1
FQP1-2510N-B3S2F	2
FQP1-2510P-A3S2F	3
FQP1-2510P-B3S2F	4
	6
	5
FQP1-2510C-A2S2F	7
FQP1-2510C-B2S2F	8
HQP1-2510N-A3S2F	1
HQP1-2510N-B3S2F	2
HQP1-2510P-A3S2F	3
HQP1-2510P-B3S2F	4

1. Voltage Drop: $<1.5V(10-30V), <2V(10-55V)$.
2. 10-55V type: No Load Current $< 20mA$.

4 ϕ 3x0.34
Approx.110 g

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
FQP1-2510C-A2S2T	7
FQP1-2510C-B2S2T	8
1. Voltage Drop:<1.5V(10-30V),<2V(10-55V). 2. 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
FQP1-2510C-A2U2F	7
FQP1-2510C-B2U2F	8

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

4φ 3x0.34
Approx.110 g

[illegible]

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

[illegible]

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

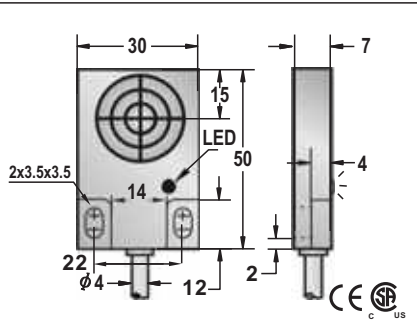
DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q40

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

DC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q30x50x7	
	
10 mm	15 mm
PBT RESIN	
	



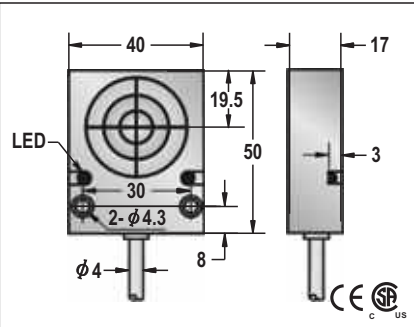
10-30VDC	or	10-55VDC
<10%		
<10mA	or	<20mA
200mA		
<0.01mA		
-		
-		
<1.5V	or	<2.0V
100HZ		
1ms/1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
PBT		

[illegible]

1. Voltage Drop: $<1.5V(10-30V)$, $<2V(10-55V)$.
2. 10-55V type: No Load Current $< 20mA$.

4 ϕ 3x0.34
Approx.100 g

Q40x50x17	
	
15 mm	30 mm
PBT RESIN	
	



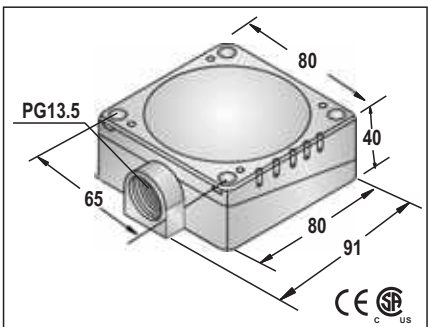
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

[illegible]

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

4 ϕ 3x0.34
Approx.120 g

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		

[illegible]

1. Voltage Drop: $<1.5V(10-30V)$, $<2V(10-55V)$.
2. 10-55V type: No Load Current $< 20mA$.

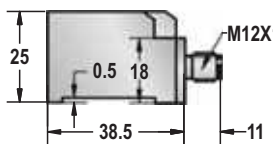
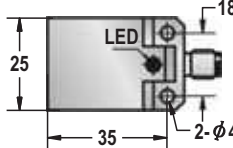
Approx.110 g

DC INDUCTIVE PROXIMITY SWITCH
SQUARE CONNECTOR TYPE

[illegible][illegible]

Q25s

10 mm
PBT RESIN





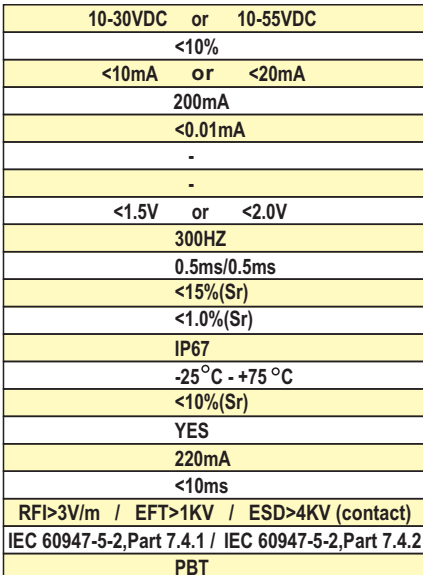

10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
300HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +75°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP1-2510N-ARS4F	33
FQP1-2510N-BRS4F	34
FQP1-2510P-ARS4F	35
FQP1-2510P-BRS4F	36

1. Voltage Drop:<1.5V(10-30V),<2V(10-55V).
2. 10-55V type: No Load Current < 20mA.

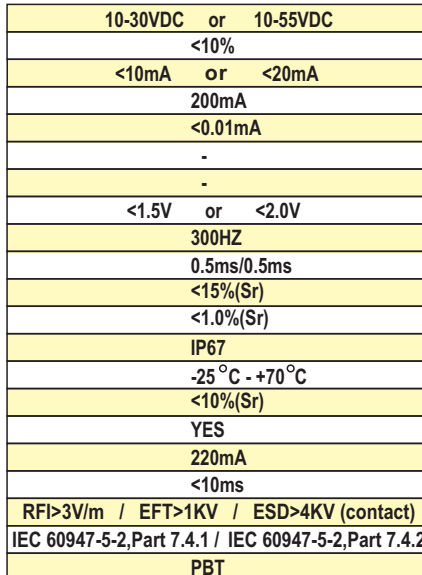
Approx.80 α

Q25s
●
10 mm
PBT RESIN
●



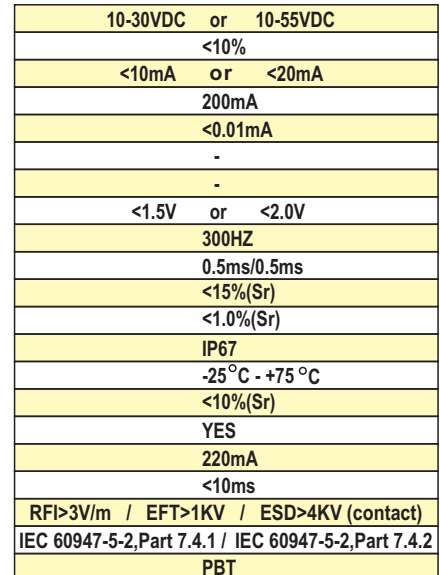
1. Voltage Drop: $<1.5V(10-30V)$, $<2V(10-55V)$.
2. 10-55V type: No Load Current $< 20mA$.

Q25
●
10 mm
PBT RESIN
●



Please see Page 18 for details and specifications of DC 2-Wire models on this page.

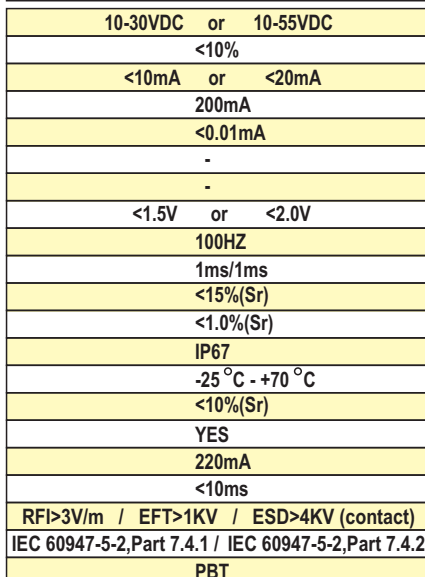
Q25
●
10 mm
PBT RESIN
●



C-13

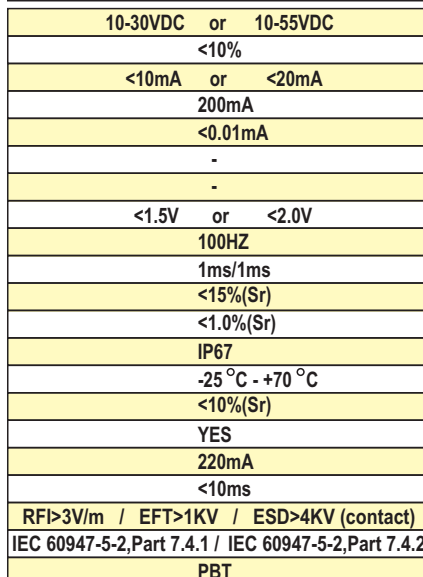
DC INDUCTIVE PROXIMITY SWITCH SQUARE CONNECTOR TYPE

Q40	
15 mm	30 mm
PBT RESIN	



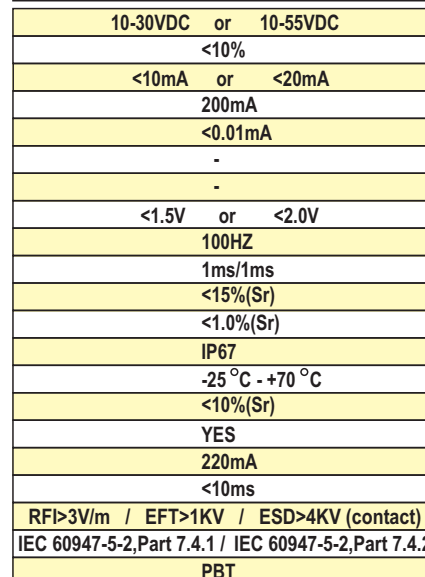
1. Voltage Drop: $<1.5V(10-30V)$, $<2V(10-55V)$.
2. 10-55V type: No Load Current $< 20mA$.

Q30x45x12	
	
10 mm	15 mm
PBT RESIN	
	



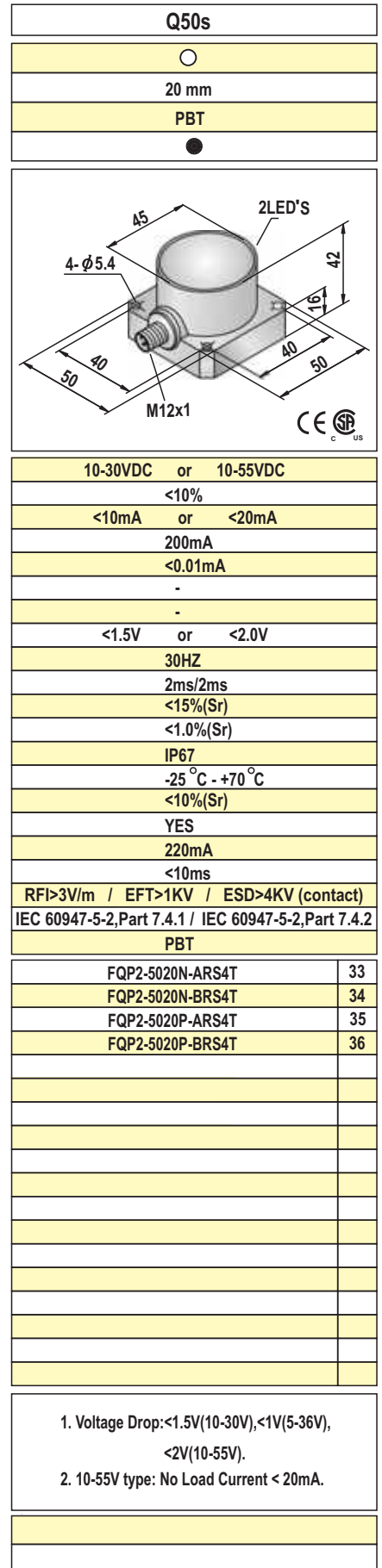
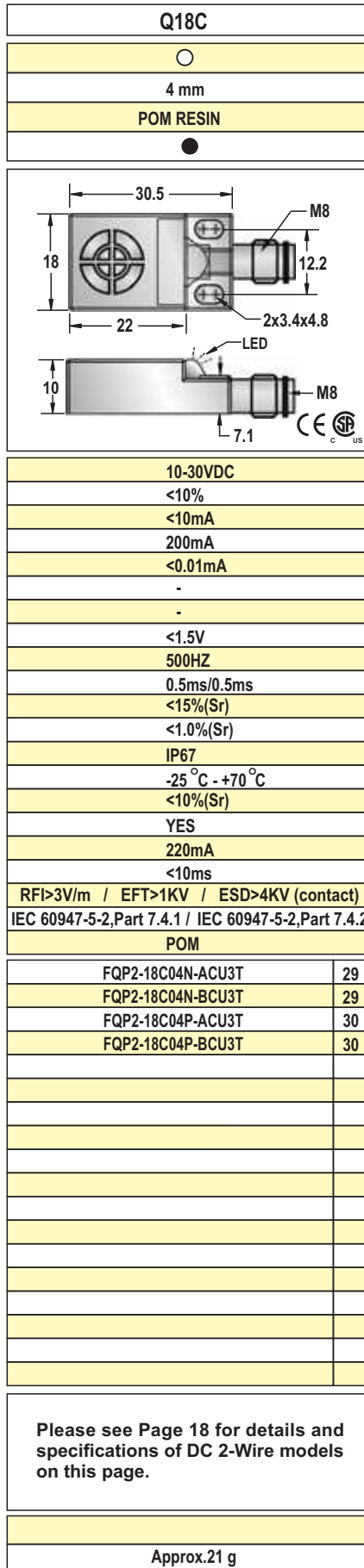
Please see Page 18 for details and specifications of DC 2-Wire models on this page.

Q40x50x17	
	
15 mm	30 mm
PBT RESIN	
	

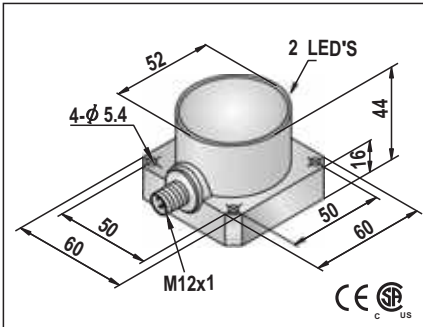


Approx.85 g

DC INDUCTIVE PROXIMITY SWITCH
SQUARE CONNECTOR TYPE

[illegible]

Q60s
○
30 mm
PBT RESIN
●

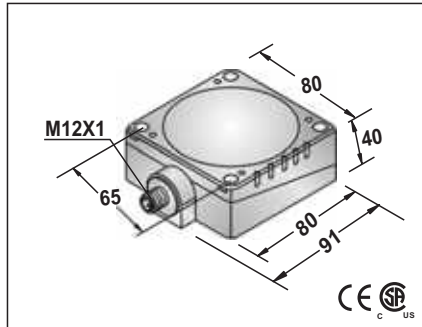


10-30VDC	or	10-55VDC
<10%		
<10mA	or	<20mA
200mA		
<0.01mA		
-		
-		
<1.5V	or	<2.0V
30HZ		
2ms/2ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
PBT		

[illegible]

- | |
|-------------|
| |
| Approx.75 g |

Q80	
	
40 mm	50 mm
PBT RESIN	
	



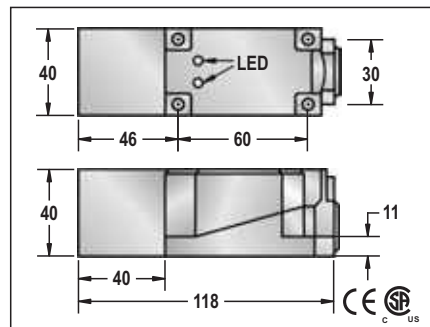
10-30VDC	or	10-55VDC
<10%		
<10mA	or	<20mA
200mA		
<0.01mA		
-		
-		
<1.5V	or	<2.0V
100HZ		
1ms/1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
PRT		

[illegible]

Approx.110 g

DC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING HEAD TYPE

Q40
●
15 mm
PBT RESIN
●



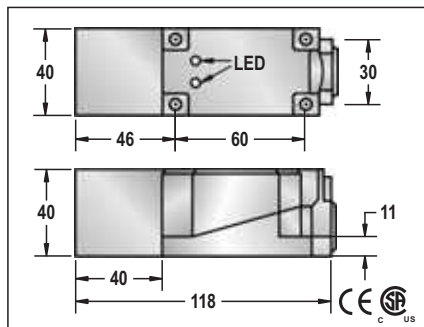
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP1-4015N-A3U	1
FQP1-4015N-B3U	2
FQP1-4015P-A3U	3
FQP1-4015P-B3U	4
FQP1-4015P-S4U	6
FQP1-4015N-S4U	5
FQP1-4015C-A2U	7
FQP1-4015C-B2U	8
HQP1-4015N-A3U	1
HQP1-4015N-B3U	2
HQP1-4015P-A3U	3
HQP1-4015P-B3U	4

1. Voltage Drop:<1.5V(10-30V),<2V(10-55V).
2. 10-55V type: No Load Current < 20mA.

Approx.242 g

Q40
○
20 mm
PBT RESIN
●



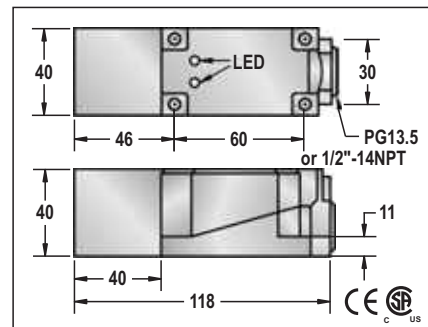
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP2-4020N-A3U	1
FQP2-4020N-B3U	2
FQP2-4020P-A3U	3
FQP2-4020P-B3U	4
FQP2-4020P-S4U	6
FQP2-4020N-S4U	5
FQP2-4020C-A2U	7
FQP2-4020C-B2U	8
HQP2-4020N-A3U	1
HQP2-4020N-B3U	2
HQP2-4020P-A3U	3
HQP2-4020P-B3U	4

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

Approx.242 g

Q40
○
30 mm
PBT RESIN
●



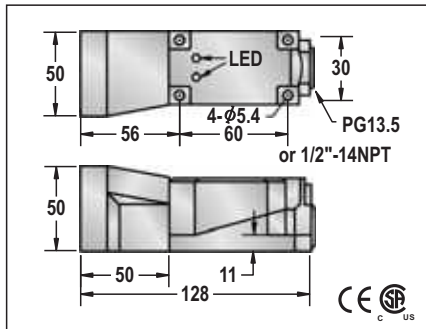
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP2-4030N-A3U	1
FQP2-4030N-B3U	2
FQP2-4030P-A3U	3
FQP2-4030P-B3U	4
FQP2-4030P-S4U	6
FQP2-4030N-S4U	5
FQP2-4030C-A2U	7
FQP2-4030C-B2U	8
HQP2-4030N-A3U	1
HQP2-4030N-B3U	2
HQP2-4030P-A3U	3
HQP2-4030P-B3U	4

Approx.242 g

DC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING HEAD TYPE

Q50
○
40 mm
PBT RESIN
●



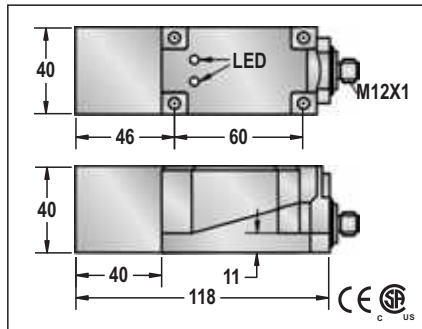
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP2-5040N-A3U	1
FQP2-5040N-B3U	2
FQP2-5040P-A3U	3
FQP2-5040P-B3U	4
FQP2-5040P-S4U	6
FQP2-5040N-S4U	5
HQP2-5040N-A3U	1
HQP2-5040N-B3U	2
HQP2-5040P-A3U	3
HQP2-5040P-B3U	4

1. Voltage Drop:<1.5V(10-30V),<2V(10-55V).
2. 10-55V type: No Load Current < 20mA.

Approx.450 g

Q40
●
15 mm
PBT RESIN
●



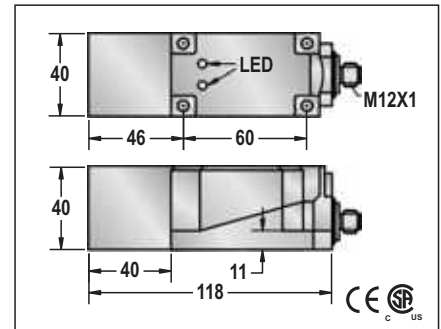
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP1-4015N-ARU4	33
FQP1-4015N-BRU4	34
FQP1-4015P-ARU4	35
FQP1-4015P-BRU4	36
FQP1-4015P-SRU4	38
FQP1-4015N-SRU4	37
HQP1-4015N-ARU4	33
HQP1-4015N-BRU4	34
HQP1-4015P-ARU4	35
HQP1-4015P-BRU4	36

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

Approx.250 g

Q40
○
20 mm
PBT RESIN
●



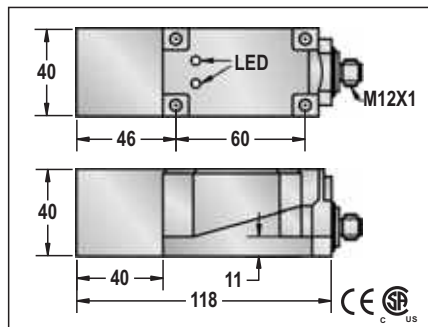
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP2-4020N-ARU4	33
FQP2-4020N-BRU4	34
FQP2-4020P-ARU4	35
FQP2-4020P-BRU4	36
FQP2-4020P-SRU4	38
FQP2-4020N-SRU4	37
HQP2-4020N-ARU4	33
HQP2-4020N-BRU4	34
HQP2-4020P-ARU4	35
HQP2-4020P-BRU4	36

Approx.450 g

DC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING HEAD TYPE

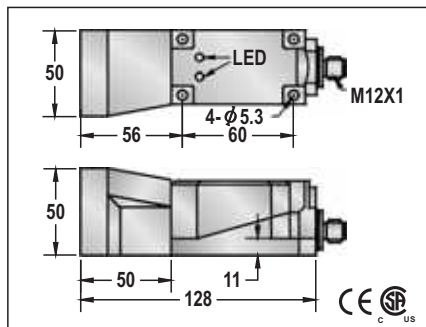
Q40
○
30 mm
PBT RESIN
●



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
PRT

1. Voltage Drop: $<1.5V(10-30V), <2V(10-55V)$.
2. 10-55V type: No Load Current $< 20mA$.

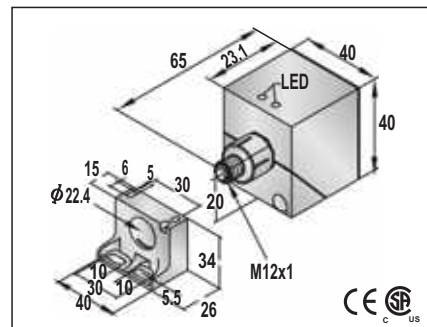
Q50
○
40 mm
PBT RESIN
●



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
PRT

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

Q40s
●
15 mm
PBT RESIN
●



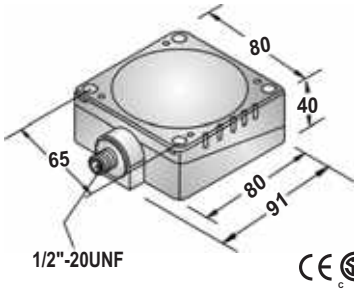
10-30VDC or 10-55VDC
<10%
<10mA or <20mA
200mA
<0.01mA
-
-
<1.5V or <2.0V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PRT

Approx.450 g

AC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

AC INDUCTIVE PROXIMITY SWITCH SQUARE TYPE

Q80		
40 mm		50 mm
PBT RESIN		
PG13.5 65 80 40 80 91 CE US		
20-250VAC		
-		
<1.8mA		
400mA		
1.8mA		
5A(20ms)		
5mA		
<8VAC AT 400MA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
-		
-		
-		
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		
FQP1-8040A-A2LT	9	FQP2-8050A-A2LT
FQP1-8040A-B2LT	10	FQP2-8050A-B2LT
Approx.110 g		

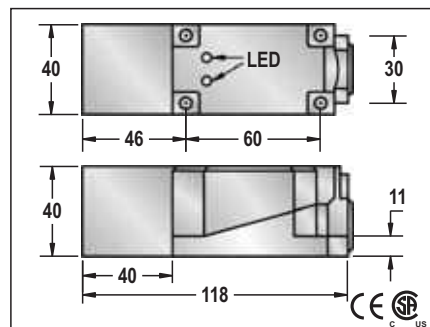
Q80		
●		○
40 mm		50 mm
PBT RESIN		
●		
		
20-250VAC		
-		
<2.5mA		
400mA		
2.5mA		
5A(20ms)		
5mA		
<8VAC AT 400MA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
-		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
PBT		
FQP1-8040A-AUL3T	58	FQP2-8050A-AUL3T
FQP1-8040A-BUL3T	58	FQP2-8050A-BUL3T
Approx.85 g		

Q80		
40 mm		50 mm
PBT RESIN		
20-250VAC		
-		
<2.5mA		
400mA		
<2.5mA		
5A(20ms)		
5mA		
<8VAC AT 400MA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
-		
-		
-		
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		
FQP1-8040A-AZL2T	66	FQP2-8050A-AZL2T
FQP1-8040A-BZL2T	66	FQP2-8050A-BZL2T
Approx.85 g		

AC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING

AC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING HEAD TYPE

Q40
●
15 mm
PBT RESIN
●

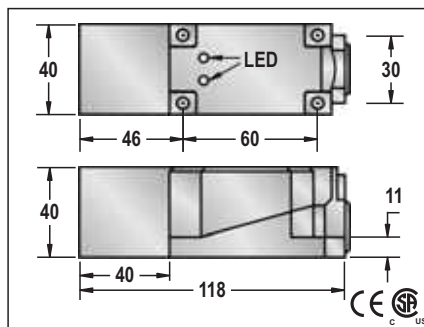


20-250VAC
-
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
-
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

FQP1-4015A-A2L	9
FQP1-4015A-B2L	10
FQP1-4015A-C4L	13

Approx.250 g

Q40
○
20 mm
PBT RESIN
●

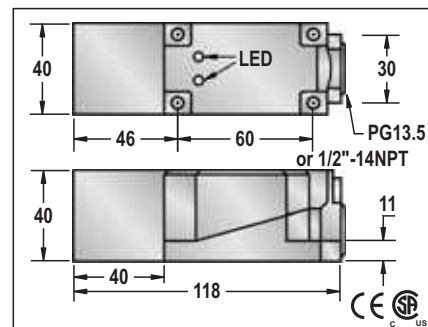


20-250VAC
-
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
-
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

FQP2-4020A-A2L	9
FQP2-4020A-B2L	10
FQP2-4020A-C4L	13

Approx. 250 g

Q40
○
30 mm
PBT RESIN
●

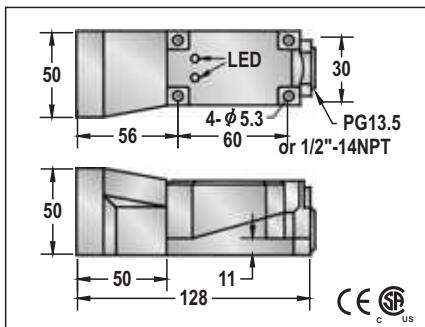


20-250VAC
-
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
-
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP2-4030A-A2L	9
FQP2-4030A-B2L	10
FQP2-4030A-C4L	13

Approx.250 g

Q50
○
40 mm
PBT RESIN
●

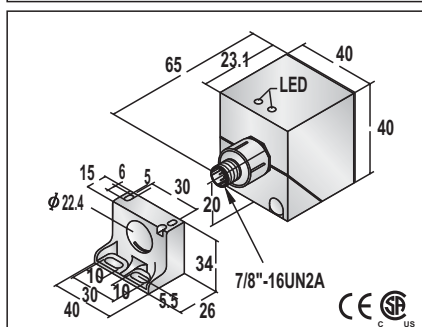


20-250VAC
-
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 ° C - +70 ° C
<10%(Sr)
-
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP2-5040A-A2L	9
FQP2-5040A-B2L	10
FQP2-5040A-C4L	13

Approx. 250 g

Q40s
●
15 mm
PBT RESIN
●

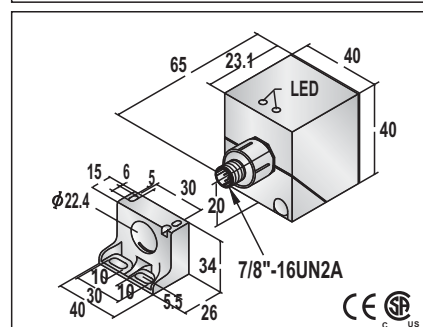


20-250VAC
-
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
-
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PRT

FQP1-4015A-AZS2	66
FQP1-4015A-BZS2	66
FQP1-4015A-CZS4	69

Approx.250 g

Q40s
●
15 mm
PBT RESIN
●



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 9697-5-2,Part 7.4.1 / IEC 9697-5-2,Part 7.4.2
PBT

FQP1-4015U-AZS2	62
FQP1-4015U-BZS2	62

Approx.250 g

AC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING

**AC INDUCTIVE PROXIMITY SWITCH 5 WAY
ROTATABLE SENSING HEAD TYPE**

Q40	
●	
15 mm	
PBT RESIN	
●	
CE	
20-250VAC	
-	
<2.5mA	
400mA	
2.5mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
-	
-	
-	
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	
FQP1-4015A-AUL3	58
FQP1-4015A-BUL3	58
FQP1-4015A-CUL5	62
Approx.250 g	

Q40	
○	
20 mm	
PBT RESIN	
●	
Technical drawing of the Q40 LED component. The top view shows a rectangular package with a height of 40 mm, a width of 46 mm, and a total length of 60 mm. It features two LEDs and a 1/2"-20UNF threaded mounting hole. The side view shows a height of 40 mm, a base width of 40 mm, and a total length of 118 mm. A dimension of 11 mm is indicated for the internal structure. The drawing is marked with CE and RoHS (C) symbols.	
20-250VAC	
-	
<2.5mA	
400mA	
2.5mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
-	
-	
-	
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	
FQP2-4020A-AUL3	58
FQP2-4020A-BUL3	58
FQP2-4020A-CUL5	62
Approx.250 g	

Q40
○
30 mm
PBT RESIN
●

The technical drawing shows two views of the Q40 LED module. The top view indicates a total length of 106mm (46mm + 60mm) and a height of 40mm. It features four mounting holes at the corners and three LEDs labeled "LED". A threaded connector on the right is specified as 1/2"-20UNF. The side view shows a total length of 158mm (40mm + 118mm), a height of 40mm, and a sloped bottom edge with a vertical distance of 11mm from the base to the start of the slope.

20-250VAC
-
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
-
-
-
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

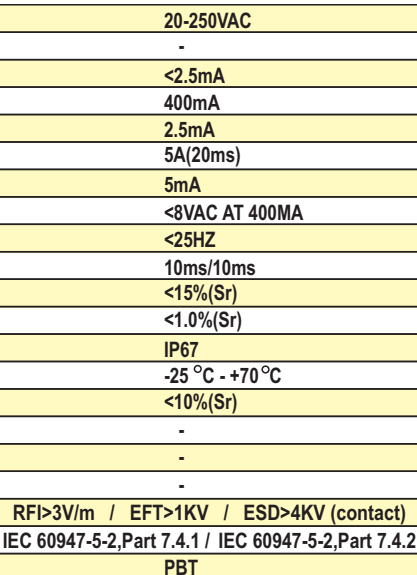
FQP2-4030A-AUL3	58
FQP2-4030A-BUL3	58
FQP2-4030A-CUL5	62

Approx.250 g

Q40

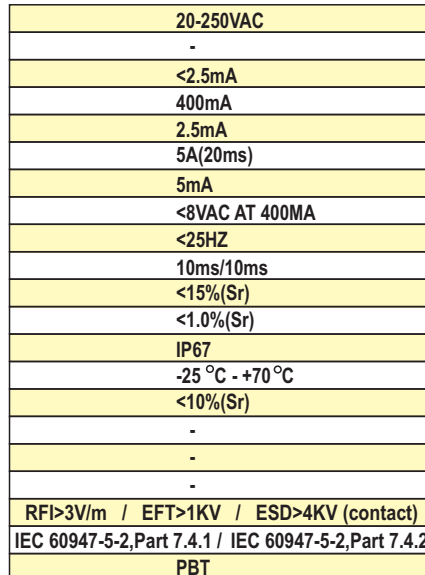
15 mm

PBT RESIN



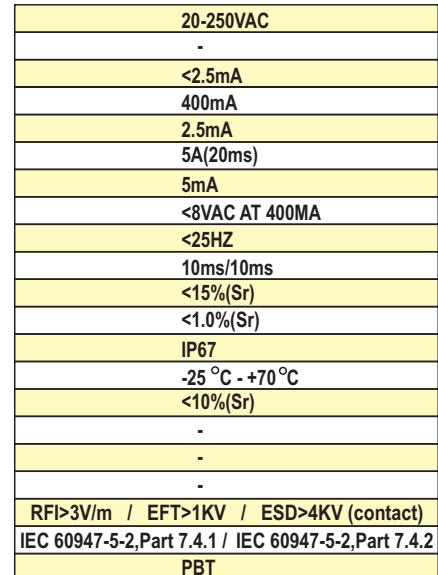
Approx. 250 g

Q40
○
20 mm
PBT RESIN
●



Approx.250 g

Q40
○
30 mm
PBT RESIN
●



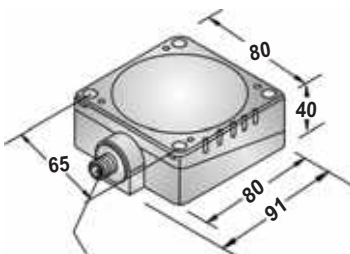
Approx.250 g

[illegible][illegible]

Q40s	
●	
15 mm	
PBT RESIN	
●	
The technical drawing shows two views of the Q40s LED module. The top view is an isometric perspective showing a rectangular module with dimensions 65mm (length), 23.1mm (width), and 40mm (height). It features an LED chip labeled 'LED' on its top surface and a mounting hole with a diameter of 20mm. A screw thread specification of 1/2-20UNF is indicated. The bottom view is a top-down plan view showing the module's footprint with dimensions: 40mm (width), 30mm (distance from edge to mounting hole center), 10mm (hole diameter), 5.5mm (mounting tab width), 26mm (total length), 15mm (distance between tabs), 6mm (tab width), and 5mm (tab thickness). A circular feature with a diameter of 22.4mm is also shown.	
CE	
20-250VAC	
-	
<2.5mA	
400mA	
2.5mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
-	
-	
-	
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	
FQP1-4015A-AUS3	58
FQP1-4015A-BUS3	58
FQP1-4015A-CUS5	62
Approx.250 g	

Q80		
40 mm		50 mm
PBT RESIN		
20-250 VAC, 50-60 Hz; 20-250 VDC		
DC RIPPLE <10%		
<2.5mA		
200mA		
<2.5mA		
2.2A for 20ms		
5mA		
<=10 VAC :<=8 VDC		
25HZ AC; 40 Hz DC		
10ms/10ms		
<15% (Sr)		
<1.0% (Sr)		
IP67		
-25°C - +70°C		
<10% (Sr)		
YES		
-		
-		
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		
FQP1-8040U-A2LT	9	FQP2-8050U-A2LT
FQP1-8040U-B2LT	10	FQP2-8050U-B2LT
Approx.110 g		

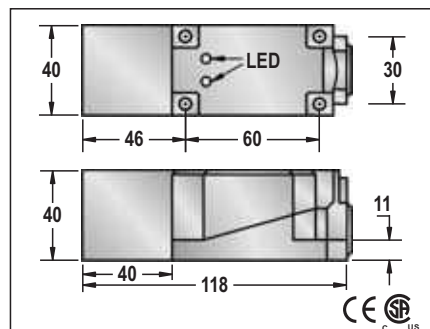
Q80		
40 mm		50 mm
PBT RESIN		
 C US		
20-250 VAC, 50-60 Hz; 20-250 VDC		
DC RIPPLE <10%		
<2.5mA		
200mA		
<2.5mA		
2.2A for 20ms		
5mA		
<=10 VAC :<=8 VDC		
25HZ AC; 40 Hz DC		
10ms/10ms		
<15% (Sr)		
<1.0% (Sr)		
IP67		
-25 °C - +70 °C		
<10% (Sr)		
YES		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
PBT		
FQP1-8040U-AUL3T	54	FQP2-8050U-AUL3T
FQP1-8040U-BUL3T	54	FQP2-8050U-BUL3T
Approx.85 g		

Q80		
		
40 mm		50 mm
PBT RESIN		
		
 7/8"-16UN2A CE  US		
20-250 VAC, 50-60 Hz; 20-250 VDC		
DC RIPPLE <10%		
<2.5mA		
200mA		
<2.5mA		
2.2A for 20ms		
5mA		
<=10 VAC :<=8 VDC		
25HZ AC; 40 Hz DC		
10ms/10ms		
<15% (Sr)		
<1.0% (Sr)		
IP67		
-25°C - +70 °C		
<10% (Sr)		
YES		
-		
-		
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		
FQP1-8040U-AZL2T	62	FQP2-8050U-AZL2T
FQP1-8040U-BZL2T	62	FQP2-8050U-BZL2T
Approx.85 g		

AC/DC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING

AC/DC INDUCTIVE PROXIMITY SWITCH 5 WAY ROTATABLE SENSING HEAD TYPE

Q40
●
15 mm
PBT RESIN
●



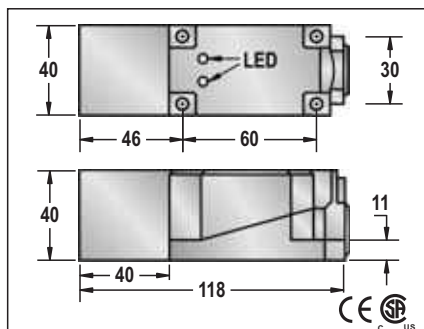
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP1-4015U-A2L	9
FQP1-4015U-B2L	10

Approx. 250 g

Q40

20 mm
PBT RESIN

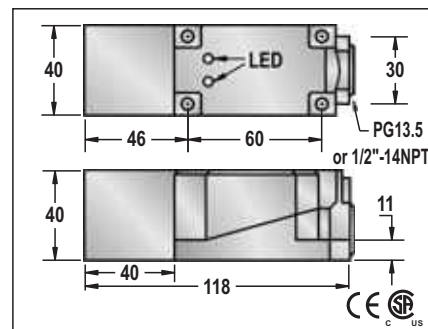



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC : <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQP2-4020U-A2L	9
FQP2-4020U-B2L	10

Approx. 250 g

Q40
○
30 mm
PBT RESIN
●



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
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

FQP2-4030U-A2L	9
FQP2-4030U-B2L	10

Approx.250 g

Q40	
●	
15 mm	
PBT RESIN	
●	
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC :<=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15% (Sr)	
<1.0% (Sr)	
IP67	
-25°C - +70 °C	
<10% (Sr)	
YES	
-	
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	
FQP1-4015U-AUL3	58
FQP1-4015U-BUL3	58
Approx.250 g	

Q40	
○	
20 mm	
PBT RESIN	
●	
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC :<=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15% (Sr)	
<1.0% (Sr)	
IP67	
-25°C - +70 °C	
<10% (Sr)	
YES	
-	
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	
FQP2-4020U-AUL3	58
FQP2-4020U-BUL3	58
Approx.250 g	

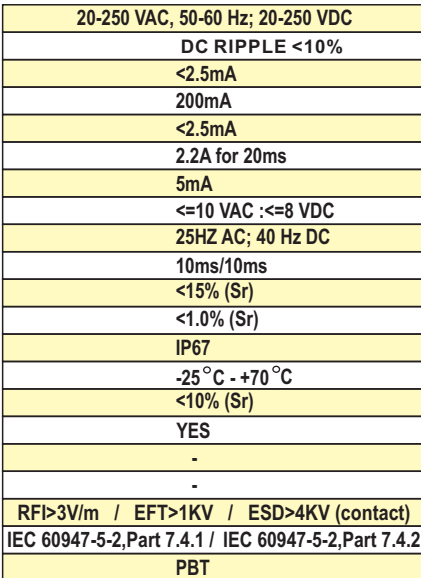
Q40	
○	
30 mm	
PBT RESIN	
●	
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC :<=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15% (Sr)	
<1.0% (Sr)	
IP67	
-25°C - +70 °C	
<10% (Sr)	
YES	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	
FQP2-4030U-AUL3	58
FQP2-4030U-BUL3	58
Approx.250 g	

Q40	
●	
15 mm	
PBT RESIN	
●	
20-250 VAC, 50-60 Hz; 20-250 VDC DC RIPPLE <10% <2.5mA 200mA <2.5mA 2.2A for 20ms 5mA ≤10 VAC :≤8 VDC 25HZ AC; 40 Hz DC 10ms/10ms <15% (Sr) <1.0% (Sr) IP67 -25 °C - +70 °C <10% (Sr) YES - - 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	
FQP1-4015U-AZL2	66
FQP1-4015U-BZL2	66
Approx.250 g	

Q40	
○	
20 mm	
PBT RESIN	
●	
20-250 VAC, 50-60 Hz; 20-250 VDC DC RIPPLE <10% <2.5mA 200mA <2.5mA 2.2A for 20ms 5mA ≤10 VAC :≤8 VDC 25HZ AC; 40 Hz DC 10ms/10ms <15% (Sr) <1.0% (Sr) IP67 -25 °C - +70 °C <10% (Sr) YES - - 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	
FQP2-4020U-AZL2	66
FQP2-4020U-BZL2	66
Approx.250 g	

Q40	
○	
30 mm	
PBT RESIN	
●	
20-250 VAC, 50-60 Hz; 20-250 VDC DC RIPPLE <10% <2.5mA 200mA <2.5mA 2.2A for 20ms 5mA ≤10 VAC :≤8 VDC 25HZ AC; 40 Hz DC 10ms/10ms <15% (Sr) <1.0% (Sr) IP67 -25 °C - +70 °C <10% (Sr) YES - - 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	
FQP2-4030U-AZL2	66
FQP2-4030U-BZL2	66
Approx.250 g	

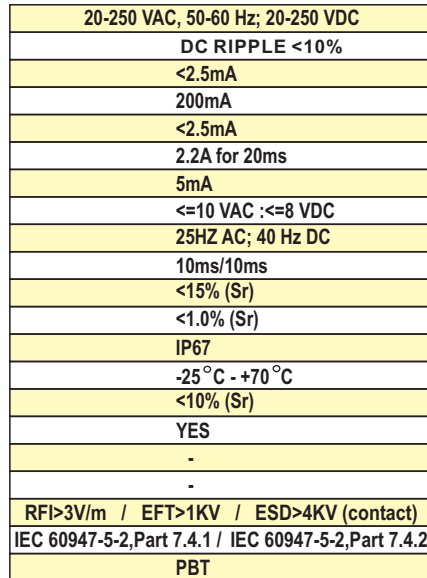
Q50
○
50 mm
PBT RESIN
●



Approx.250 g

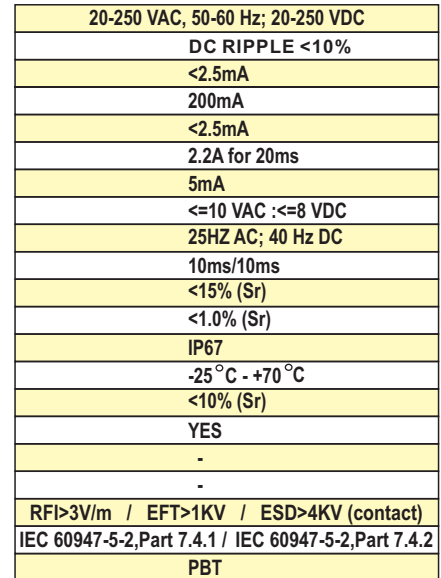
Q50

50 mm
PBT RESIN

Approx. 250 g

Q40s
●
15 mm
PBT RESIN
●



Approx. 250 g