

## AC/DC INDUCTIVE PROXIMITY SENSOR (20-250VAC/DC)

|                                |
|--------------------------------|
| Diameter                       |
| ● Shielded      ○ non-Shielded |
| Switching Distance, Sn: mm     |
| Housing Material               |
| ● With LED      ○ Without LED  |

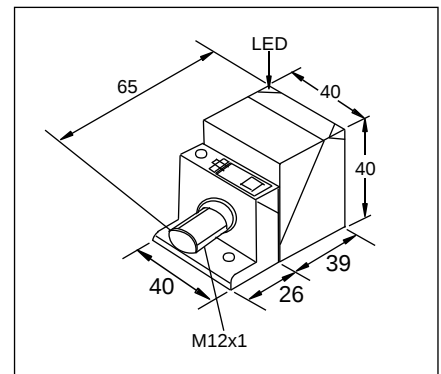
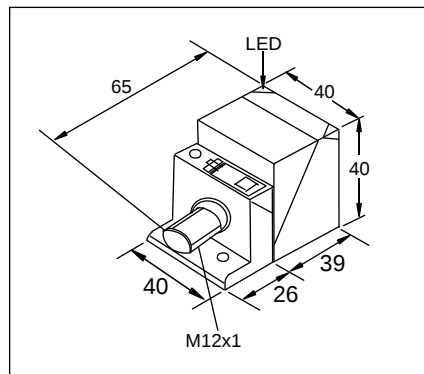
|       |
|-------|
| Q40S  |
| ●     |
| 15 mm |
| PBT   |
| ●     |

|       |
|-------|
| Q40S  |
| ○     |
| 30 mm |
| PBT   |
| ●     |

|         |
|---------|
| Picture |
|---------|



|                       |
|-----------------------|
| Dimensions (unit: mm) |
|-----------------------|



|                          |
|--------------------------|
| 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 |
| Material Active Face     |

|                   |
|-------------------|
| <2.5mA            |
| 200mA             |
| <2.5mA            |
| 2.2A(20ms)        |
| 5mA               |
| <10VAC; 8VDC      |
| <25Hz AC; 40Hz DC |
| 10ms/10ms         |
| <15%(Sr)          |
| <1.0%(Sr)         |
| IP67              |
| -25°C - +70°C     |
| <10%(Sr)          |
| Yes               |
| PBT               |

|                   |
|-------------------|
| <2.5mA            |
| 200mA             |
| <2.5mA            |
| 2.2A(20ms)        |
| 5mA               |
| <10VAC; 8VDC      |
| <25Hz AC; 40Hz DC |
| 10ms/10ms         |
| <15%(Sr)          |
| <1.0%(Sr)         |
| IP67              |
| -25°C - +70°C     |
| <10%(Sr)          |
| Yes               |
| PBT               |

|                 |
|-----------------|
| Connecting type |
| Weight          |

|                 |
|-----------------|
| Micro connector |
| approx.170 g    |

|                 |
|-----------------|
| Micro connector |
| approx.170 g    |

|                                       |
|---------------------------------------|
| AC/DC 20-250V N.O.                    |
| AC/DC 20-250V N.C.                    |
| AC/DC 20-250V N.O. or N.C. Changeable |
|                                       |
|                                       |
|                                       |
|                                       |
|                                       |
|                                       |
|                                       |
|                                       |

|                  |     |
|------------------|-----|
| IPN-Q4015U-A8MS3 | 13* |
| IPN-Q4015U-B8MS3 | 14  |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |

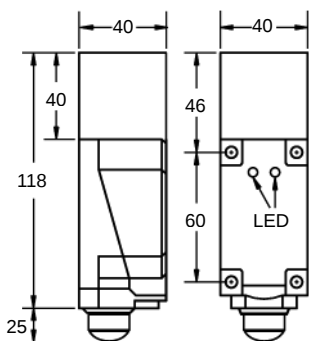
|                  |     |
|------------------|-----|
| IPN-Q4030U-A8MS3 | 13* |
| IPN-Q4030U-B8MS3 | 14  |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |
|                  |     |

\* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

# AC/DC INDUCTIVE PROXIMITY SENSOR (20-250VAC/DC)

Q40

15 mm  
PBT



<2.5mA  
200mA  
<2.5mA  
2.2A(20ms)  
5mA  
<10VAC; 8VDC  
25Hz AC; 40Hz DC  
10ms/10ms  
<15%(Sr)  
<1.0%(Sr)  
IP67  
-25°C - +70°C  
<10%(Sr)  
Yes  
PBT

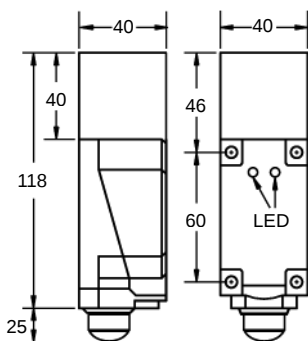
Terminal  
approx.265 g

IPS-Q4015U-A8TN  
IPS-Q4015U-B8TN  
IPS-Q4015U-C8TN

13†  
14  
17

Q40

20 mm  
PBT



<2.5mA  
200mA  
<2.5mA  
2.2A(20ms)  
5mA  
<10VAC; 8VDC  
25Hz AC; 40Hz DC  
10ms/10ms  
<15%(Sr)  
<1.0%(Sr)  
IP67  
-25°C - +70°C  
<10%(Sr)  
Yes  
PBT

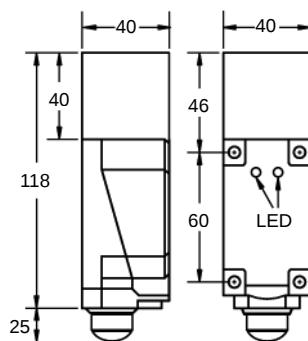
Terminal  
approx.265 g

IPN-Q4020U-A8TN  
IPN-Q4020U-B8TN  
IPN-Q4020U-C8TN

13†  
14  
17

Q40

30 mm  
PBT



<2.5mA  
200mA  
<2.5mA  
2.2A(20ms)  
5mA  
<10VAC; 8VDC  
25Hz AC; 40Hz DC  
10ms/10ms  
<15%(Sr)  
<1.0%(Sr)  
IP67  
-25°C - +70°C  
<10%(Sr)  
Yes  
PBT

Terminal  
approx.265 g

IPN-Q4030U-A8TN  
IPN-Q4030U-B8TN  
IPN-Q4030U-C8TN

13†  
14  
17

\* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.