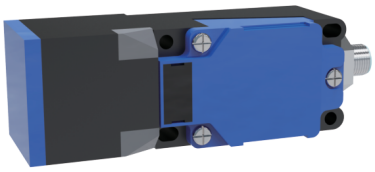
Q40 Rectangular Inductive Proximity Sensor

BIDP-R40-F15-N20-N30-T-S124 series · Operating Voltage: 10...60VDC(±10%) · Switching Freq.: 150Hz / 100Hz

IP67
Ingress Protection



①②③



④⑤⑥

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...60VDC(±10%)**	SWITCHING FREQ. **150Hz / 100Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **40*40*115mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Multiple installation methods
- Wide detection range
- Can freely change the direction of detection

MODEL CODES

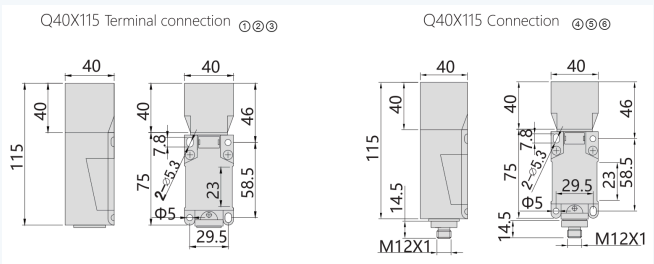
Output Type	①	②	③	④	⑤	⑥
N.O	**BIDP-R40-D13F15-T** SKU 10104553	**BIDP-R40-D13N20-T** SKU 10104555	**BIDP-R40-D13N30-T** SKU 10104557	**BIDP-R40-D13F15-S124** SKU 10104559	**BIDP-R40-D13N20-S124** SKU 10104561	**BIDP-R40-D13N30-S124** SKU 10104563
N.C	**BIDP-R40-D23F15-T** SKU 10104554	**BIDP-R40-D23N20-T** SKU 10104556	**BIDP-R40-D23N30-T** SKU 10104558	**BIDP-R40-D23F15-S124** SKU 10104560	**BIDP-R40-D23N20-S124** SKU 10104562	**BIDP-R40-D23N30-S124** SKU 10104564

TECHNICAL DATA

Size	40*40*115mm
Sensing distance	①: 15mm(Flush) ②: 20mm(Non-Flush) ③: 30mm(Non-Flush) ④: 15mm(Flush) ⑤: 20mm(Non-Flush) ⑥: 30mm(Non-Flush)
Switching frequency	①: 150Hz ②: 100Hz ③: 100Hz ④: 150Hz ⑤: 100Hz ⑥: 100Hz
Operating voltage	10...60VDC(±10%)
Voltage drop	≤4.5V
Load current	200mA
Residual signal	≤0.5mA
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on

LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	PBT
Sensing face material	PBT
Connection	①: Terminal connection, 2.5mm² ②: Terminal connection, 2.5mm² ③: Terminal connection, 2.5mm² ④: M12 Connector ⑤: M12 Connector ⑥: M12 Connector
Accessories	①: None ②: None ③: None ④: M12 4 pin cable with connector ⑤: M12 4 pin cable with connector ⑥: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.