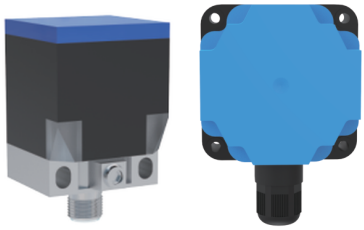
Q40S / Q80 Rectangular Inductive Proximity Sensor

BIDP-R40-N11F20-S124-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 300Hz / 100Hz

IP67
Ingress Protection



①② ③

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **300Hz / 100Hz**
AMBIENT TEMP. **-25...70°C**	INGRESS PROTECTION **IP67**

FEATURES

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

MODEL CODES

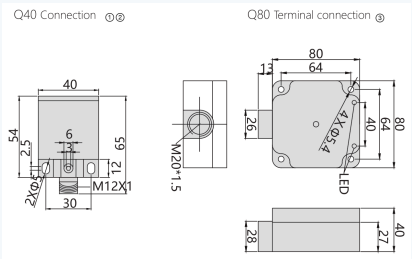
Output Type	①	②	③
NPN N.O	**BIDP-R40-N11F20-S124-S** SKU 10104545	**BIDP-R40-N11N40-S124-S** SKU 10104549	**BIDP-R80-N11N50-T** SKU 10104625
NPN N.C	**BIDP-R40-N21F20-S124-S** SKU 10104546	**BIDP-R40-N21N40-S124-S** SKU 10104550	**BIDP-R80-N21N50-T** SKU 10104626
PNP N.O	**BIDP-R40-P11F20-S124-S** SKU 10104547	**BIDP-R40-P11N40-S124-S** SKU 10104551	**BIDP-R80-P11N50-T** SKU 10104627
PNP N.C	**BIDP-R40-P21F20-S124-S** SKU 10104548	**BIDP-R40-P21N40-S124-S** SKU 10104552	**BIDP-R80-P21N50-T** SKU 10104628

TECHNICAL DATA

Size	①: 40*40*54mm ②: 40*40*54mm ③: 80*80*40mm
Sensing distance	①: 20mm(Flush) ②: 40mm(Non-Flush) ③: 50mm(Non-Flush)
Switching frequency	①: 300Hz ②: 100Hz ③: 100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)
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: M12 Connector ②: M12 Connector ③: Terminal connection, 2.5mm²
Accessories	①: M12 4 pin cable with connector ②: M12 4 pin cable with connector ③: None

DIMENSIONAL DRAWINGS



All dimensions in mm.