Q40 Rectangular Inductive Proximity Sensor

BIDP-R40-F15-F20-F30-N20-N30-N40-T series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 300Hz / 100Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE 10...30VDC(±10%)	SWITCHING FREQ. 300Hz / 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						
NPN N.O	BIDP-R40-N11F15-T SKU 10104484	BIDP-R40-N11F20-T SKU 10104488	BIDP-R40-N11F30-T SKU 10104493	BIDP-R40-N11N20-T SKU 10104497	BIDP-R40-N11N30-T SKU 10104501	BIDP-R40-N11N40-T SKU 10104505
NPN N.C	BIDP-R40-N21F15-T SKU 10104485	BIDP-R40-N21F20-T SKU 10104489	BIDP-R40-N21F30-T SKU 10104494	BIDP-R40-N21N20-T SKU 10104498	BIDP-R40-N21N30-T SKU 10104502	BIDP-R40-N21N40-T SKU 10104506
PNP N.O	BIDP-R40-P11F15-T SKU 10104486	BIDP-R40-P11F20-T SKU 10104490	BIDP-R40-P11F30-T SKU 10104495	BIDP-R40-P11N20-T SKU 10104499	BIDP-R40-P11N30-T SKU 10104503	BIDP-R40-P11N40-T SKU 10104507
PNP N.C	BIDP-R40-P21F15-T SKU 10104487	BIDP-R40-P21F20-T SKU 10104491	BIDP-R40-P21F30-T SKU 10104496	BIDP-R40-P21N20-T SKU 10104500	BIDP-R40-P21N30-T SKU 10104504	BIDP-R40-P21N40-T SKU 10104508

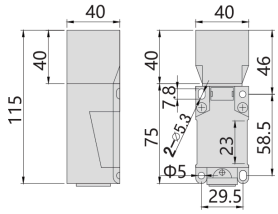
TECHNICAL DATA

Size	40*40*115mm
Sensing distance	①: 15mm(Flush) ②: 20mm(Flush) ③: 30mm(Quasi-Flush) ④: 20mm(Non-Flush) ⑤: 30mm(Non-Flush) ⑥: 40mm(Non-Flush)
Switching frequency	①: 300Hz ②: 300Hz ③: 100Hz ④: 300Hz ⑤: 300Hz ⑥: 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	Terminal connection, 2.5mm²
Accessories	None

DIMENSIONAL DRAWINGS

Q40X115 Terminal connection ①



All dimensions in mm.