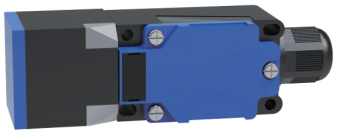
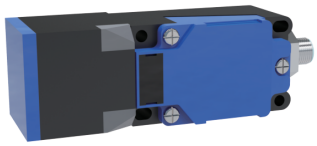
Q40 Rectangular Inductive Proximity Sensor

BIDP-R40-A14N20-A14N30-A24N20-A24N30-U15N20-U15N30-U25N20-U25N30-T-S124 series · Switching Freq.: 25Hz/25Hz AC; 40Hz DC · Ambient Temp.: -25...70°C

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

SWITCHING FREQ. **25Hz/25Hz AC; 40Hz DC**	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

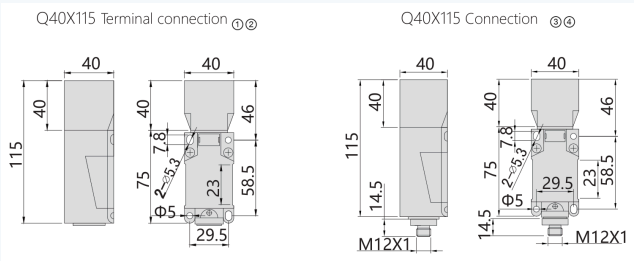
Output Type	①	②	③	④
AC type — 20...250V AC · 25Hz				
N.O	BIDP-R40-A14N20-T SKU 10104589	BIDP-R40-A14N30-T SKU 10104593	BIDP-R40-A14N20-S124 SKU 10104597	BIDP-R40-A14N30-S124 SKU 10104601
N.C	BIDP-R40-A24N20-T SKU 10104590	BIDP-R40-A24N30-T SKU 10104594	BIDP-R40-A24N20-S124 SKU 10104598	BIDP-R40-A24N30-S124 SKU 10104602
AC/DC type — 20...250V AC/DC · 25Hz AC; 40Hz DC				
N.O	BIDP-R40-U15N20-T SKU 10104591	BIDP-R40-U15N30-T SKU 10104595	BIDP-R40-U15N20-S124 SKU 10104599	BIDP-R40-U15N30-S124 SKU 10104603
N.C	BIDP-R40-U25N20-T SKU 10104592	BIDP-R40-U25N30-T SKU 10104596	BIDP-R40-U25N20-S124 SKU 10104600	BIDP-R40-U25N30-S124 SKU 10104604

TECHNICAL DATA

Size	40*40*115mm
Sensing distance	①: 20mm(Non-Flush) ②: 30mm(Non-Flush) ③: 20mm(Non-Flush) ④: 30mm(Non-Flush)
Switching frequency	AC: 25Hz · AC/DC: 25Hz AC; 40Hz DC
Operating voltage	AC: 20...250V AC · AC/DC: 20...250V AC/DC
Voltage drop	≤8V AC/≤10V AC,8V DC
Load current	Max.load: 400mA; min.Load: 5mA
Residual signal	≤1.8mA/≤2.5mA
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch 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: M12 Connector ④: M12 Connector
Accessories	①: None ②: None ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.