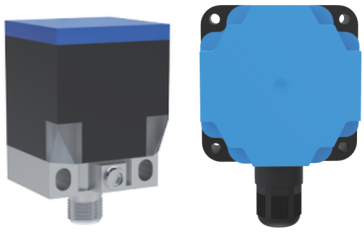
Q40S / Q80 Rectangular Inductive Proximity Sensor

BIDP-R40-A14F15-S124-S series · Switching Freq.: 25Hz/25Hz AC; 40Hz DC · Ambient Temp.: -25...70°C

IP67
Ingress Protection



①②③ ④

KEY SPECIFICATIONS

SWITCHING FREQ. **25Hz/25Hz AC; 40Hz DC**	AMBIENT TEMP. **-25...70°C**
INGRESS PROTECTION **IP67**	VOLTAGE DROP **≤8V AC/≤10V AC,8V DC**

FEATURES

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

MODEL CODES

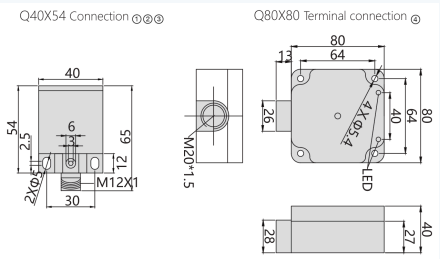
Output Type	①	②	③	④
AC type — 20...250V AC · 25Hz				
N.O	BIDP-R40-A14F15-S124-S SKU 10104613	BIDP-R40-A14N20-S124-S SKU 10104617	BIDP-R40-A14N30-S124-S SKU 10104621	BIDP-R80-A14N50-T SKU 10104635
N.C	BIDP-R40-A24F15-S124-S SKU 10104614	BIDP-R40-A24N20-S124-S SKU 10104618	BIDP-R40-A24N30-S124-S SKU 10104622	BIDP-R80-A24N50-T SKU 10104636
AC/DC type — 20...250V AC/DC · 25Hz AC; 40Hz DC				
N.O	BIDP-R40-U15F15-S124-S SKU 10104615	BIDP-R40-U15N20-S124-S SKU 10104619	BIDP-R40-U15N30-S124-S SKU 10104623	BIDP-R80-U15N50-T SKU 10104637
N.C	BIDP-R40-U25F15-S124-S SKU 10104616	BIDP-R40-U25N20-S124-S SKU 10104620	BIDP-R40-U25N30-S124-S SKU 10104624	BIDP-R80-U25N50-T SKU 10104638

TECHNICAL DATA

Size	①: 40*40*54mm ②: 40*40*54mm ③: 40*40*54mm ④: 80*80*40mm
Sensing distance	①: 15mm(Flush) ②: 20mm(Non-Flush) ③: 30mm(Non-Flush) ④: 50mm(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 Max.load: 200mA; min.Load: 5mA
Residual signal	≤1.8mA/≤2.5mA
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: M12 Connector ②: M12 Connector ③: M12 Connector ④: Terminal connection, 2.5mm²
Accessories	①: M12 4 pin cable with connector ②: M12 4 pin cable with connector ③: M12 4 pin cable with connector ④: None

DIMENSIONAL DRAWINGS



All dimensions in mm.