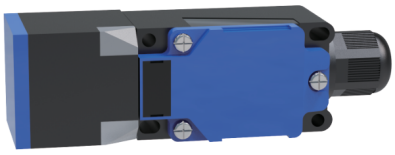
Q40 Rectangular Inductive Proximity Sensor

BIDP-R40-A14F15-A24F15-U15F15-U25F15-T-S124 series · Sensing Distance: 15mm(Flush) · Switching Freq.: 25Hz/25Hz AC; 40Hz DC

IP67
Ingress Protection



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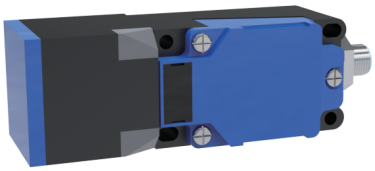

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KEY SPECIFICATIONS

SENSING DISTANCE 15mm(Flush)	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

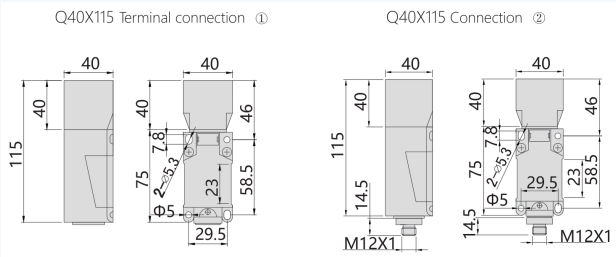
Output Type	①	②
AC type — 20...250V AC · 25Hz		
N.O	BIDP-R40-A14F15-T SKU 10104605	BIDP-R40-A14F15-S124 SKU 10104609
N.C	BIDP-R40-A24F15-T SKU 10104606	BIDP-R40-A24F15-S124 SKU 10104610
AC/DC type — 20...250V AC/DC · 25Hz AC; 40Hz DC		
N.O	BIDP-R40-U15F15-T SKU 10104607	BIDP-R40-U15F15-S124 SKU 10104611
N.C	BIDP-R40-U25F15-T SKU 10104608	BIDP-R40-U25F15-S124 SKU 10104612

TECHNICAL DATA

Size	40*40*115mm
Sensing distance	15mm(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: M12 Connector
Accessories	①: None ②: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.