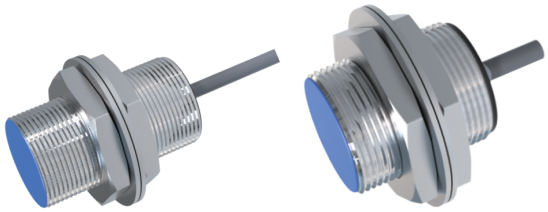
M30 Cylindrical Inductive Proximity Sensor

BIDS-M30-A14F10-A14F16-A24F10-A24F16-U15F10-U15F16-U25F10-U25F16-PC2-S series · Switching Freq.: 25Hz/25Hz AC; 40Hz DC · Ambient Temp.: -25...70°C

IP67
Ingress Protection



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KEY SPECIFICATIONS

SWITCHING FREQ.	AMBIENT TEMP.
25Hz/25Hz AC; 40Hz DC	-25...70°C
HOUSING	INGRESS PROTECTION
M30*1mm	IP67

FEATURES

- Flush mounting
- Strong anti-interference ability
- Multiple connection options available

MODEL CODES

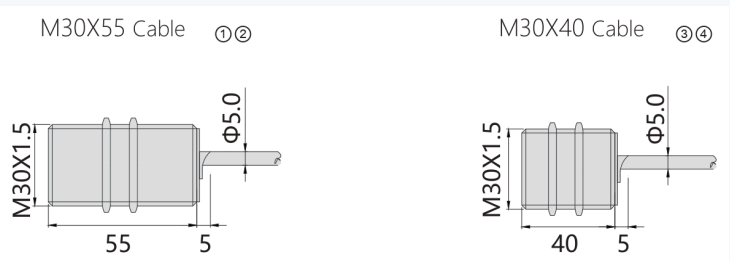
Output Type	①	②	③	④
AC type — 20...250V AC · 25Hz				
N.O	BIDS-M30-A14F10-PC2 SKU 10104027	BIDS-M30-A14F16-PC2 SKU 10104257	BIDS-M30-A14F10-PC2-S SKU 10104031	BIDS-M30-A14F16-PC2-S SKU 10104261
N.C	BIDS-M30-A24F10-PC2 SKU 10104028	BIDS-M30-A24F16-PC2 SKU 10104258	BIDS-M30-A24F10-PC2-S SKU 10104032	BIDS-M30-A24F16-PC2-S SKU 10104262
AC/DC type — 20...250V AC/DC · 25Hz AC; 40Hz DC				
N.O	BIDS-M30-U15F10-PC2 SKU 10104029	BIDS-M30-U15F16-PC2 SKU 10104259	BIDS-M30-U15F10-PC2-S SKU 10104033	BIDS-M30-U15F16-PC2-S SKU 10104263
N.C	BIDS-M30-U25F10-PC2 SKU 10104030	BIDS-M30-U25F16-PC2 SKU 10104260	BIDS-M30-U25F10-PC2-S SKU 10104034	BIDS-M30-U25F16-PC2-S SKU 10104264

TECHNICAL DATA

Exterior structure	M30*1mm
Sensing distance	①: 10mm(Flush) ②: 16mm(Flush) ③: 10mm(Flush) ④: 16mm(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	Brass, nickel-plated
Sensing face material	PBT
Connection	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.