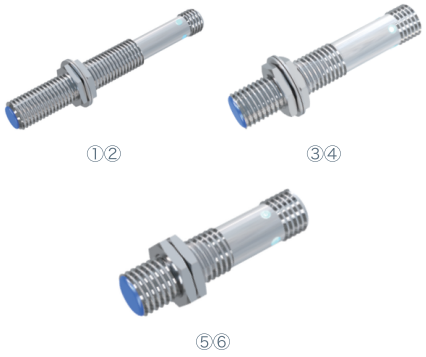
M8 Cylindrical Inductive Proximity Sensor

BIDS-M08-F2.0-F3.0-S83-S-R series · Operating Voltage: 10...30VDC(±10%) · Ambient Temp.: -25...70°C

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	AMBIENT TEMP. **-25...70°C**
HOUSING **M8*1mm**	INGRESS PROTECTION **IP67**

FEATURES

- Flush mounting
- High response frequency
- Multiple connection options available

MODEL CODES

Output Type	①	②	③	④	⑤	⑥
NPN N.O	BIDS-M08-N11F2.0-S83 SKU 10103142	BIDS-M08-N11F3.0-S83 SKU 10103261	BIDS-M08-N11F2.0-S83-S SKU 10103146	BIDS-M08-N11F3.0-S83-S SKU 10103265	BIDS-M08-N11F2.0-S83-R SKU 10103150	BIDS-M08-N11F3.0-S83-R SKU 10103269
NPN N.C	BIDS-M08-N21F2.0-S83 SKU 10103143	BIDS-M08-N21F3.0-S83 SKU 10103262	BIDS-M08-N21F2.0-S83-S SKU 10103147	BIDS-M08-N21F3.0-S83-S SKU 10103266	BIDS-M08-N21F2.0-S83-R SKU 10103151	BIDS-M08-N21F3.0-S83-R SKU 10103270
PNP N.O	BIDS-M08-P11F2.0-S83 SKU 10103144	BIDS-M08-P11F3.0-S83 SKU 10103263	BIDS-M08-P11F2.0-S83-S SKU 10103148	BIDS-M08-P11F3.0-S83-S SKU 10103267	BIDS-M08-P11F2.0-S83-R SKU 10103152	BIDS-M08-P11F3.0-S83-R SKU 10103271
PNP N.C	BIDS-M08-P21F2.0-S83 SKU 10103145	BIDS-M08-P21F3.0-S83 SKU 10103264	BIDS-M08-P21F2.0-S83-S SKU 10103149	BIDS-M08-P21F3.0-S83-S SKU 10103268	BIDS-M08-P21F2.0-S83-R SKU 10103153	BIDS-M08-P21F3.0-S83-R SKU 10103272

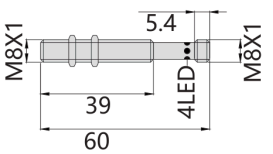
TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	①: 2mm(Flush) ②: 3mm(Quasi-Flush) ③: 2mm(Flush) ④: 3mm(Quasi-Flush) ⑤: 2mm(Flush) ⑥: 3mm(Quasi-Flush)
Switching frequency	①: 3000Hz ②: 1000Hz ③: 2000Hz ④: 1000Hz ⑤: 2000Hz ⑥: 1000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
Leakage current	≤0.01mA

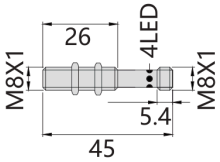
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	M8 Connector
Accessories	M8 3 pin cable with connector

DIMENSIONAL DRAWINGS

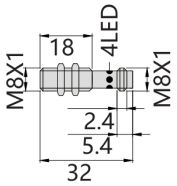
M8X60 Connector ①②



M8X45 Connector ③④



M8X32 Connector ⑤⑥



All dimensions in mm.