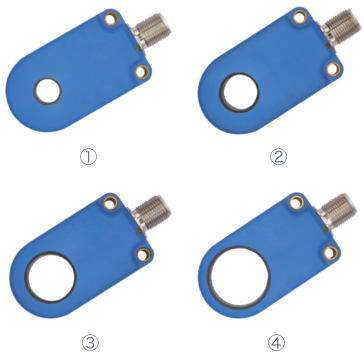
R10 / R15 / R20 Ring Type Inductive Proximity Sensor

BIDR-R20-N10-N15-N20-N25-S124-ADJ series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 1000Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **1000Hz**
AMBIENT TEMP. **-25...70°C**	INGRESS PROTECTION **IP67**

FEATURES

- High response frequency
- High protection level

MODEL CODES

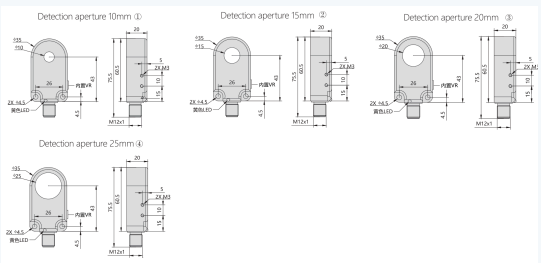
Output Type	10mm ①	15mm ②	20mm ③	25mm ④
NPN N.O	BIDR-R20-N11N10-S124-ADJ SKU 10104675	BIDR-R20-N11N15-S124-ADJ SKU 10104679	BIDR-R20-N11N20-S124-ADJ SKU 10104683	BIDR-R20-N11N25-S124-ADJ SKU 10104687
NPN N.C	BIDR-R20-N21N10-S124-ADJ SKU 10104676	BIDR-R20-N21N15-S124-ADJ SKU 10104680	BIDR-R20-N21N20-S124-ADJ SKU 10104684	BIDR-R20-N21N25-S124-ADJ SKU 10104688
PNP N.O	BIDR-R20-P11N10-S124-ADJ SKU 10104677	BIDR-R20-P11N15-S124-ADJ SKU 10104681	BIDR-R20-P11N20-S124-ADJ SKU 10104685	BIDR-R20-P11N25-S124-ADJ SKU 10104689
PNP N.C	BIDR-R20-P21N10-S124-ADJ SKU 10104678	BIDR-R20-P21N15-S124-ADJ SKU 10104682	BIDR-R20-P21N20-S124-ADJ SKU 10104686	BIDR-R20-P21N25-S124-ADJ SKU 10104690

TECHNICAL DATA

Detection aperture	10mm 15mm 20mm 25mm
Switching frequency	1000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤3.0V
Load current	200mA
Leakage current	≤0.01mA
No-load current	≤20mA(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	POM
Sensing face material	ABS
Connection	M12 Connector
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.