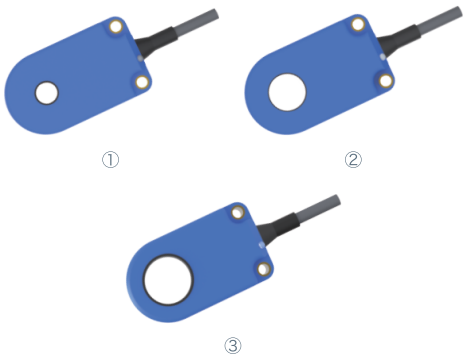
R10 / R15 / R20 Ring Type Inductive Proximity Sensor

BIDR-R20-N10-N15-N20-PC2-ADJ-T 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 Pulse spreading

MODEL CODES

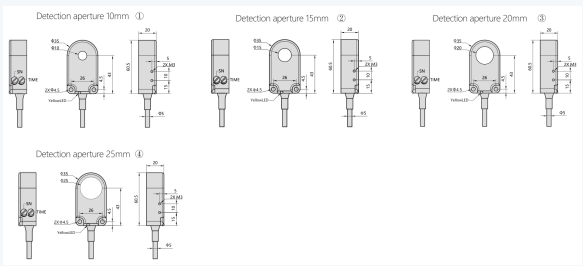
Output Type	10mm ①	15mm ②	20mm ③
NPN N.O	**BIDR-R20-N11N10-PC2-ADJ-T** SKU 10104691	**BIDR-R20-N11N15-PC2-ADJ-T** SKU 10104695	**BIDR-R20-N11N20-PC2-ADJ-T** SKU 10104699
NPN N.C	**BIDR-R20-N21N10-PC2-ADJ-T** SKU 10104692	**BIDR-R20-N21N15-PC2-ADJ-T** SKU 10104696	**BIDR-R20-N21N20-PC2-ADJ-T** SKU 10104700
PNP N.O	**BIDR-R20-P11N10-PC2-ADJ-T** SKU 10104693	**BIDR-R20-P11N15-PC2-ADJ-T** SKU 10104697	**BIDR-R20-P11N20-PC2-ADJ-T** SKU 10104701
PNP N.C	**BIDR-R20-P21N10-PC2-ADJ-T** SKU 10104694	**BIDR-R20-P21N15-PC2-ADJ-T** SKU 10104698	**BIDR-R20-P21N20-PC2-ADJ-T** SKU 10104702

TECHNICAL DATA

Detection aperture	10mm 15mm 20mm
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)
Pulse spreading	10...500ms, adjustable

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	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.