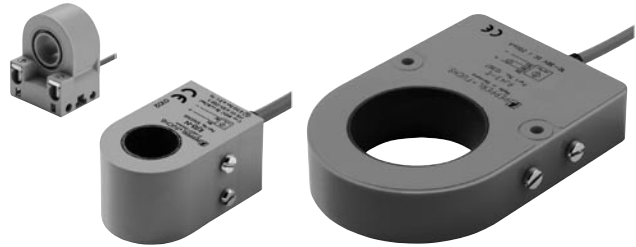


Ring Type Inductive NAMUR Sensors

- 10 to 43 mm ring opening
- Standard and bistable models available
- High switching speeds
- Most models have ATEX approvals



See pages
865-872 for
accessories



Technical Specifications

NOMINAL VOLTAGE	8 VDC
SUPPLY VOLTAGE	5-25 VDC
LOAD CURRENT	Target Detected
	Target Not Detected
	≤ 1 mA
	≥ 3 mA
OUTPUT	Suffix N, NO, N3
	NAMUR
HYSTERESIS	1-10% (3% typical)
SHORT CIRCUIT AND OVERLOAD PROTECTION	Yes
REVERSE POLARITY PROTECTED	Yes
LED INDICATION	No
SENSING FACE MATERIAL	PBT
STANDARDS	EN 60947-5-2
STANDARD CONFORMITY	DIN EN 60947-5-6
ENVIRONMENTAL PROTECTION	IP67
AMBIENT TEMPERATURE	-13 °F to +212 °F (-25 °C to +100 °C)
APPROVALS	

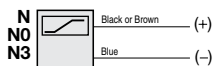
Wiring Diagrams

NAMUR



Cable Connection

Note: Output state is determined at controlling device or P+F amplifier



2-Meter Cable Models

Model Number	Thru-Hole Dia. (mm)	Electrical Output	Switching Frequency	Housing Material	Cable Jacket/Size	Dwg. No.
RC10-14-N0	10	NAMUR	2 kHz	PBT	PVC/#26 AWG	1
RC10-14-N3	10	NAMUR/bistable*	2 kHz	PBT	PVC/#26 AWG	1
RC15-14-N0	15	NAMUR	1.5 kHz	PBT	PVC/#26 AWG	2
RC15-14-N3	15	NAMUR/bistable*	1.5 kHz	PBT	PVC/#26 AWG	2
RJ15-N	15	NAMUR	1.5 kHz	PBT	PVC/#26 AWG	3
RJ21-N	21	NAMUR	1 kHz	PBT	PVC/#22 AWG	4
RJ43-N	43	NAMUR	500 Hz	PBT	PVC/#22 AWG	5

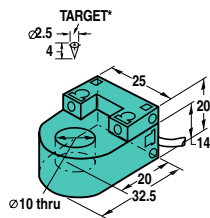


*Bi-stable ring sensors provide a latching output. The output latches as a target passes through the ring and does not unlatch until the target passes through the sensor in the opposite direction. The RC10-14-N3 and RC15-14-N3 can be used with any P+F switch isolator.

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

Drawing No. 1

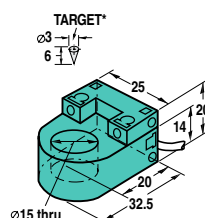
RC10-14-N0
RC10-14-N3



10 mm Thru-Hole Diameter

Drawing No. 2

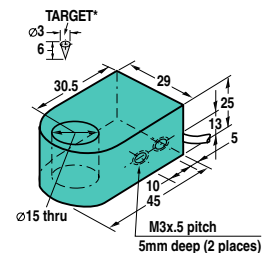
RC15-14-N0
RC15-14-N3



15 mm Thru-Hole Diameter

Drawing No. 3

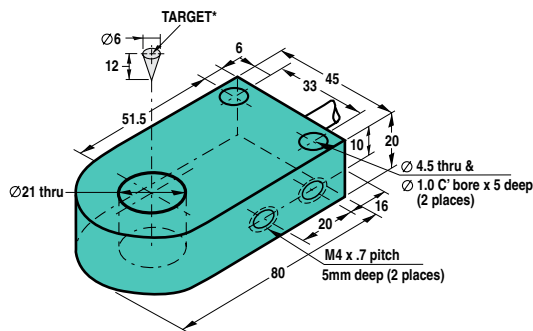
RJ15-N



15 mm Thru-Hole Diameter

Drawing No. 4

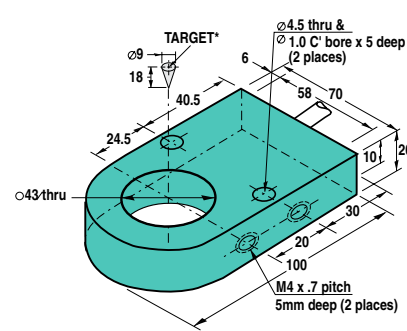
RJ21-N



21 mm Thru-Hole Diameter

Drawing No. 5

RJ43-N



43 mm Thru-Hole Diameter

*Reference target dimensions used for specifications listed above.