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Sensors

Area Sensors >

General Purpose & Slim Body Area Sensor NA2-N

NA2-N20

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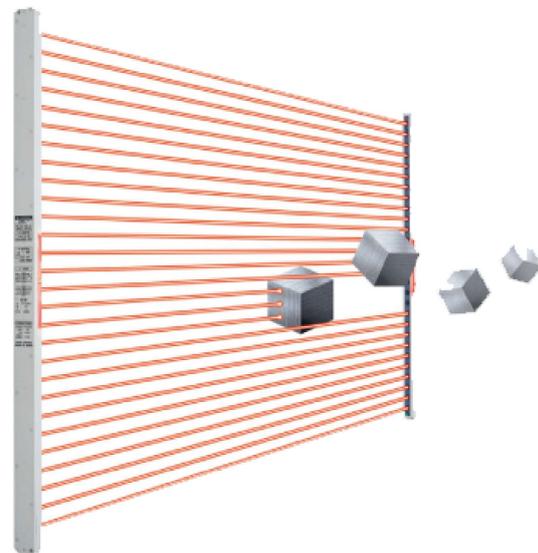
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NA2-N20 | General Purpose & Slim Body Area Sensor NA2-N



*Photo may vary from actual product.



Product Number	NA2-N20
Part Number	NA2-N20
Product	General Purpose & Slim Body Area Sensor



Contact Us

**Technical Inquiries,
Purchase Support &
Additional Assistance**

Technical inquiry

Business inquiry

Other inquiry

Details

**Catalog/
Datasheet**

NPN output

CAD

Download

Manual

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Technical inquiry

Business inquiry

Other inquiry

**Spec
Detail**

**Accessories
(Option)**

As of April 26, 2025 (JST)

*Specifications and design of the products are subject to change without notice for the product improvement.

Spec Detail

Specifications and design of the products are subject to change without notice for the product improvement.

Item	Specifications
Product Number	NA2-N20
Part Number	NA2-N20
Products Name	General Purpose & Slim Body Area Sensor
Product details	NPN output
The price of the product	Please contact our office



Item	Specifications
<p style="text-align: center;">Catalog/ Datasheet</p> <p style="text-align: center;">CAD</p>	<p>Download</p> <p style="text-align: center;">Manual</p>
Beam pitch	20 mm 0.787 in
Sensing object	dia. 30 mm dia. 1.181 in or more opaque object (completely beam interrupted objects)
Supply voltage	12 to 24 V DC plus or minus 10 % Ripple P-P 10 % or less
Power consumption:Emitter:Job indicator ON	1.0 W or less
Power consumption:Emitter:Job indicator OFF	0.9 W or less
Power consumption:Receiver:Job indicator ON	1.0 W or less
Power consumption:Receiver:Job indicator OFF	0.9 W or less
Output	NPN open- collector transistor - Maximum sink current: 100 mA - Applied voltage: 30 V DC or less (between output and 0 V) - Residual voltage: 2 V or less (at 100 mA sink current), 1 V or less (at 16 mA sink current)
Output:Utilization category	DC-12 or DC-12



Item	Specifications
<p style="text-align: center;">Catalog/ Datasheet</p> <p style="text-align: center;">CAD</p>	<p>Download</p> <p style="text-align: center;">Manual</p>
	<p>when one or more beam channels are interrupted)</p>
<p>Output:Short-circuit protection</p>	<p>Incorporated</p>
<p>Response time</p>	<p>10 ms or less (12 ms or less when the interference prevention function is used)</p>
<p>Indicators:Emitter</p>	<p>Emitting indicator: Green LED x 2 (light up during emission; one LED lights up for Frequency A setting, both LEDs light up for Frequency B setting) Job indicator: Red LED (lights up, blinks or lights off when the job indicator input is applied, selected by operation mode switch)</p>
<p>Indicators:Receiver</p>	<p>Operation indicator: Red LED (lights up when one or more beam channels are interrupted) Stable incident beam indicator: Green LED (lights up when all beam channels are stably received) Job indicator: Red</p>



Item		Specifications
		Download
Catalog/ Datasheet	CAD	Manual
		applied, selected by operation mode switch) * When an excess current flows through the output, the stable incident beam indicator and the operation indicator on the receiver blink simultaneously due to operation of the short-circuit protection circuit.
Interference prevention function		Incorporated
Test input (emission halt) function		Incorporated
Pollution degree		3 (Industrial environment)
Protection		IP40(IEC)
Ambient temperature		-10 to +55 degrees +14 to +131 degrees Fahrenheit (No dew condensation or icing allowed), Storage: -10 to +60 degrees +14 to +140 degrees Fahrenheit
Ambient humidity		35 to 85 % RH, Storage: 35 to 85 % RH
Ambient illuminance		Incandescent 3,000 lx or les: 



Item	Specifications
<p style="text-align: center;">Catalog/ Datasheet</p> <p style="text-align: center;">CAD</p>	<p>Download</p> <p style="text-align: center;">Manual</p>
	<p style="text-align: center;">Voltage withstandability</p>
<p style="text-align: center;">Insulation resistance</p>	<p>20 MOhm , or more, with 250 V DC megger between all supply terminals connected together and enclosure</p>
<p style="text-align: center;">Vibration resistance</p>	<p>10 to 150 Hz frequency, 0.75 mm 0.030 in double amplitude in X, Y and Z directions for two hours each</p>
<p style="text-align: center;">Shock resistance</p>	<p>500 m/s² acceleration (50 G approx.) in X, Y and Z directions three times each</p>
<p style="text-align: center;">Emitting element</p>	<p>Infrared LED (Peak emission wavelength: 870 nm 0.034 mil, modulated) (Note: Peak emission wavelength has been changed from production in March, 2017.)</p>
<p style="text-align: center;">Material</p>	<p>Enclosure: Heat-resistant ABS </p> <p>Lens cover:</p>



Item		Specifications
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Cable		0.2 mm ² 4-core cabtyre cable, 3 m 9.843 ft long
Cable extension		Extension up to total 25 m 82.021 ft is possible for both emitter and receiver, with 0.2 mm ² , or more, cable.
Weight(Total weight of emitter and receiver)		Net weight: 500 g approx. Gross weight: 700 g approx.

Accessories (Option)

	Product number	Part number	Product	D
No image	MS-NA1-1	MS-NA1-1	-	-
No image	MS-NA2-1	MS-NA2-1	-	-
No image	MS-NA3-N20	MS-NA3-N20	-	-



	Product number	Part number	Product	D.
			Download	
Catalog/ Datasheet	CAD	Manual		

Recently checked products

Recently checked product numbers

- NA2-N16-PN | General Purpose & Slim Body Area Sensor NA2-N >
- NA2-N16 | General Purpose & Slim Body Area Sensor NA2-N >
- NA2-N12-PN | General Purpose & Slim Body Area Sensor NA2-N >
- NA2-N12 | General Purpose & Slim Body Area Sensor NA2-N >
- LX-101-P | Digital Mark Sensor LX-100 >

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Control Components & Electronic Device Products Technical Support

Relays, Couplers, Connectors, Switches, and Other Control Components & Electronic Device Products

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Catalog/ Datasheet

Technical Support

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CAD **Manual**

Motors for FA & Industrial Application, Motors for Appliance & Automotive

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Guidelines for Ordering and Usage

Requests to customers (FA Sensors & Components [Excluding motors])

Requests to customers (Dedicated to industrial motors)

Components & Devices

- Relays / Couplers
- Connectors
- Switches
- Encoders / Positioners

FA Sensors & Components

- | | | |
|---------------------------------------|--|---------------------------------|
| Fiber Sensors | Sensor Options | Static Control Devices |
| Photoelectric Sensors / Laser Sensors | Wire-Saving Systems | Laser Markers / 2D Code Readers |
| Micro Photoelectric Sensors | Programmable Controllers / Motion Controller | Machine Vision System |

Motors for FA & Industrial Application

- AC Servo
- Motors for HVAC & Automotive



Transparent
Conductive Film
Cooling Fan

Light Curtains /
Safety
Components
Area Sensors
Inductive
Proximity
Sensors
Particular Use
Sensors

Human
Machine

Energy
Management

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**Catalog/
Datasheet**

CAD

Manual

Measurement
Sensors

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