

NA2-N SERIES

New

General Purpose & Slim Body Area Sensor



SF1-F

Individual Beam Outputs

NA2-N

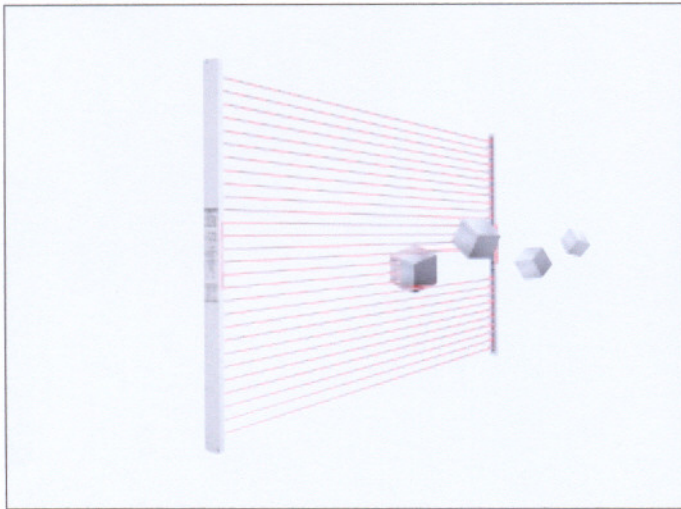
Slim Body

NA1-11

NA1-PK5/5

Picking

NA1-PK3



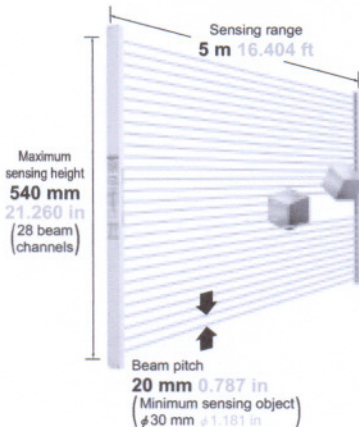
**Slim body 13 mm
(0.512 in)
Maximum sensing
height 540 mm
(21.260 in)**

Refer to p.419~ for the light curtain.



Maximum sensing height 540 mm 21.260 in (28 beam channels)

It realized the sensing height 540 mm 21.260 in (28 beam channels) in wide range of thin resin case type area sensor. With 20 mm 0.787 in beam pitch (minimum sensing object ϕ 30 mm ϕ 1.181 in) and sensing range 5 m 16.404 ft, it can meet various needs.



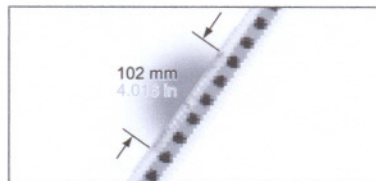
Slim body, just 13 mm 0.512 in thick

The slim body NA2-N series aesthetically fits in your equipment, since it is just 13 mm 0.512 in thick and 30 mm 1.181 in wide. It never disturbs your access to the machine.



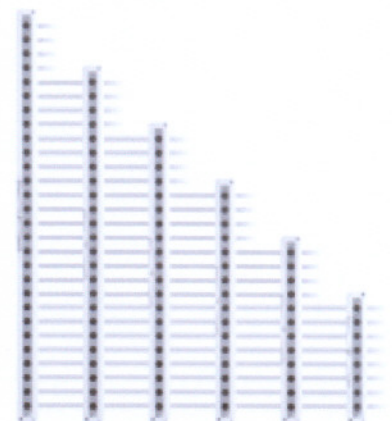
Clearly visible wide job indicator

Both the receiver and the emitter feature job indicators, 102 mm 4.016 in wide, which use red bright LEDs. When the sensing output and the job indicator input are connected, the job indicator can be used as a large size operation indicator.



Sensing height 6 types

In addition to the conventional 12, 16, and 20 beam channel types, this new lineup includes 8, 24, and 28 beam channel types. A wide model variation is provided with detection height from 540 mm 21.260 in (28 beam channels) to 140 mm 5.512 in (8 beam channels).



Sensing height 540 mm 21.260 in (28 beam channels)	Sensing height 460 mm 18.110 in (24 beam channels)	Sensing height 380 mm 14.961 in (20 beam channels)	Sensing height 300 mm 11.811 in (16 beam channels)	Sensing height 220 mm 8.661 in (12 beam channels)	Sensing height 140 mm 5.512 in (8 beam channels)
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ORDER GUIDE

Type	Appearance	Sensing range	Model No.	Number of beam channels	Sensing height (mm in)	Output
NPN output type		5 m 16.404 ft	NA2-N8	8	140 5.512	NPN open-collector transistor
			NA2-N12	12	220 8.661	
			NA2-N16	16	300 11.811	
			NA2-N20	20	380 14.961	
			NA2-N24	24	460 18.110	
PNP output type			NA2-N28	28	540 21.260	PNP open-collector transistor
			NA2-N8-PN	8	140 5.512	
			NA2-N12-PN	12	220 8.661	
			NA2-N16-PN	16	300 11.811	
			NA2-N20-PN	20	380 14.961	
			NA2-N24-PN	24	460 18.110	
			NA2-N28-PN	28	540 21.260	

5 m 16.404 ft cable length type

5 m 16.404 ft cable length type is available (Standard: 3 m 9.843 ft)

• Table of Model Nos.

Type	Standard type	5 m 16.404 ft cable length type
NPN output type	NA2-N8	NA2-N8-C5
	NA2-N12	NA2-N12-C5
	NA2-N16	NA2-N16-C5
	NA2-N20	NA2-N20-C5
	NA2-N24	NA2-N24-C5
	NA2-N28	NA2-N28-C5

OPTIONS

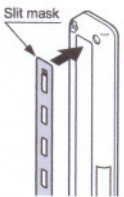
Designation	Model No.	Description
Slit mask	OS-NA2-N8	For 8 beam channels
	OS-NA2-N12	For 12 beam channels
	OS-NA2-N16	For 16 beam channels
	OS-NA2-N20	For 20 beam channels
	OS-NA2-N24	For 24 beam channels
	OS-NA2-N28	For 28 beam channels
Sensor mounting bracket (Note)	MS-NA1-1	Four bracket set Eight M4 (length 18 mm 0.709 in) screws with washers (Four screws with washers are used), eight nuts, four hooks, four spacers and four M4 (length 15 mm 0.591 in) screws with washers are attached.
	MS-NA2-1	Spacers are not attached with MS-NA1-1.M4 (length 15 mm 0.591 in) screws with washers are not used for NA2-N series.
Sensor supporting bracket	MS-NA3-N8	For 8 beam channels
	MS-NA3-N12	For 12 beam channels
	MS-NA3-N16	For 16 beam channels
	MS-NA3-N20	For 20 beam channels
	MS-NA3-N24	For 24 beam channels
	MS-NA3-N28	For 28 beam channels
		Supports the body of the sensor when used in an environment with strong vibration. Two bracket set

Note: Do not fix the sensor mounting bracket on the front surface of the sensor.

Slit mask

• OS-NA2-N□

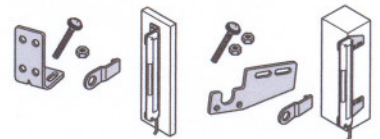
The slit mask restricts the amount of beam emitted or received and is used to reduce interference between neighboring sensors. It is also used in cases when the beam intensity is too strong penetrating through the sensing object. Remove the cover (name plate) from the front of the sensor and replace it with the slit mask. The sensing range is reduced when the slit mask is used.



Sensor mounting bracket

• MS-NA1-1

• MS-NA2-1



M4 screws with washers, nuts, and hooks are attached.
M4 screws with washers, nuts, hooks and spacers are attached.

Sensor supporting bracket

• MS-NA3-N□

