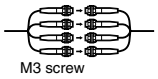
Area sensing

Throughbeam fiber units

High resolution mode
Super long-distance mode
Green light
Standard mode
Super high-speed mode
Red light

Features	Appearance	Applicable Amplifier Unit	Sensing distance (mm) *1 (Parentheses: With E39-F1 Lens Unit)	Standard object *2 (min. sensing object) (Parentheses: Opaque object)	Model	Permissible bending radius
Multi-point detection (4-head)		E3X-DA□-S	750 610 140	2 mm ø (0.1 mm ø)	E32-M21	25 mm
		E3X-DA□-N	700 610 250	2.0 mm ø (0.01 mm ø)		
		E3X-MDA	470 360 140	2 mm ø (0.1 mm ø)		
		E3X-NA□(V)	300	2.0 mm ø (0.03 mm ø)		
		E3X-NA□F	90	2.0 mm ø (0.3 mm ø)		
Detects in a 30 mm area Free-cut		E3X-DA□-S	2,300 1,800 450	(0.3 mm ø) *4	E32-T16W	10 mm
		E3X-DA□-N	2,300 1,800 660			
		E3X-MDA	1,400 1,100 450			
		E3X-NA□(V)	920	(0.5 mm ø) *3		
		E3X-NAG□	170			
		E3X-NA□F	270	(4.0 mm ø) *3		
		E3X-DA□-S	1,700 1,300 340	(0.3 mm ø) *4	E32-T16WR	1 mm
		E3X-DA□-N	1,700 1,300 500			
		E3X-MDA	1,100 860 340			
		E3X-NA□(V)	690	(0.5 mm ø) *3		
		E3X-NA□F	200	(4.0 mm ø) *3		

*1. Sensing distance based on white paper.
*2. Indicates values for standard mode.
*3. The sensing distance is 100 mm, possible detection within specified area under static condition
*4. The sensing distance is 300 mm, possible detection within specified area under static condition.

High resolution mode / Standard mode
Super long-distance mode / Super high-speed mode
Green light / Red light

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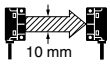
Side-view suitable for applications with limited spatial depth Free-cut		E3X-DA□-S	1,300 1,000 260	(0.2 mm ø)*4	E32-T16J	10 mm
		E3X-DA□-N	1,300 1,000 280			
		E3X-MDA	800 650 260			
		E3X-NA□(V)	520	(0.3 mm ø)*3		
		E3X-NAG□	95			
		E3X-NA□F	150	(2.0 mm ø)*3		
		E3X-DA□-S	980 750 190	(0.2 mm ø)*4	E32-T16JR	1 mm
		E3X-DA□-N	980 750 210			
		E3X-MDA	600 480 190			
		E3X-NA□(V)	390	(0.3 mm ø)*3		
		E3X-NA□F	110	(2.0 mm ø)*3		
Suitable for detecting over a 10 mm area; long distance Free-cut		E3X-DA□-S	3,700 2,800 740	(0.6 mm ø)*5	E32-T16	25 mm
		E3X-DA□-N	3,500 2,800 1,000			
		E3X-MDA	2,400 1,800 740			
		E3X-NA□(V)	1,500	(0.9 mm ø)*3		
		E3X-NAG□	275			
		E3X-NA□F	450	(1.5 mm ø)*3		

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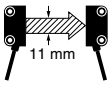
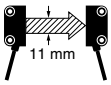
Features	Appearance	Applicable Amplifier Unit	Sensing distance (mm) *1 (Parentheses: With E39-F1 Lens Unit)	Standard object *2 (min. sensing object) (Parentheses: Opaque object)	Model	Permissible bending radius
Stable for detecting minute sensing objects in a wide area Free-cut		E3X-DA□-S	1,500 1,100 300	(0.2 mm ø) *4	E32-T16P	10 mm
		E3X-DA□-N	1,400 1,100 420			
		E3X-MDA	970 750 300			
		E3X-NA□(V)	600	(0.3 mm ø) *3		
		E3X-NAG□	110			
		E3X-NA□F	180	(2.0 mm ø) *3		
Stable detection of minute sensing objects, wide sensing area Free-cut		E3X-DA□-S	1,100 840 220	(0.2 mm ø) *4	E32-T16PR	1 mm
		E3X-DA□-N	1,050 840 320			
		E3X-MDA	730 560 220			
		E3X-NA□(V)	450	(0.3 mm ø) *3		
		E3X-NA□F	130	(2.0 mm ø) *3		

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*4. The sensing distance is 300 mm, possible detection within specified area under static condition.