

Diffuse reflective fiber units

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

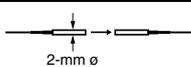
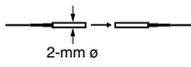
Features	Appearance	Applicable Amplifier Unit	Sensing distance (mm) ^{*1}	Standard object ^{*2} (min. sensing object: Gold wire)	Model	Permissible bending radius			
Side-view detection over wide areas Free-cut		E3X-DA□-S	<table border="1"> <tr><td style="background-color: white;">250</td></tr> <tr><td style="background-color: gray;">150</td></tr> <tr><td style="background-color: lightgray;">45</td></tr> </table>	250	150	45	300x300 (0.005 mm ø)	E32-D36P1	25 mm
		250							
		150							
		45							
		E3X-DA□-N	<table border="1"> <tr><td style="background-color: black;">200</td></tr> <tr><td style="background-color: gray;">150</td></tr> <tr><td style="background-color: lightgray;">50</td></tr> </table>	200	150	50	300x300 (0.01 mm ø)		
200									
150									
50									
E3X-MDA	<table border="1"> <tr><td style="background-color: white;">150</td></tr> <tr><td style="background-color: gray;">100</td></tr> <tr><td style="background-color: lightgray;">45</td></tr> </table>	150	100	45	300x300 (0.005 mm ø)				
150									
100									
45									
E3X-NA□(V)	<table border="1"> <tr><td style="background-color: lightblue;">75</td></tr> </table>	75	100x100 (0.03 mm ø)						
75									
E3X-NA□F	<table border="1"> <tr><td style="background-color: blue;">25</td></tr> </table>	25	50x50 (0.03 mm ø)						
25									

*1. Sensing distance based on white paper.
*2. Indicates values for standard mode.

Small fiber head

Throughbeam fiber unit

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Features	Shape	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			
2 mm ø For detecting minute sensing objects Free-cut		E3X-DA□-S	<table border="1"> <tr><td style="background-color: white;">270</td></tr> <tr><td style="background-color: gray;">220</td></tr> <tr><td style="background-color: lightgray;">50</td></tr> </table>	270	220	50	0.5 mm ø (0.005 mm ø)	E32-T22	10 mm
		270							
		220							
		50							
		E3X-DA□-N	<table border="1"> <tr><td style="background-color: black;">250</td></tr> <tr><td style="background-color: gray;">220</td></tr> <tr><td style="background-color: lightgray;">90</td></tr> </table>	250	220	90	0.5 mm ø (0.01 mm ø)		
		250							
220									
90									
E3X-MDA	<table border="1"> <tr><td style="background-color: white;">170</td></tr> <tr><td style="background-color: gray;">130</td></tr> <tr><td style="background-color: lightgray;">50</td></tr> </table>	170	130	50	0.5 mm ø (0.005 mm ø)				
170									
130									
50									
E3X-NA□(V)	<table border="1"> <tr><td style="background-color: lightblue;">100</td></tr> </table>	100	0.5 mm ø (0.03 mm ø)						
100									
E3X-NAG□	<table border="1"> <tr><td style="background-color: blue;">20</td></tr> </table>	20	0.5 mm ø (0.1 mm ø)						
20									
E3X-NA□F	<table border="1"> <tr><td style="background-color: blue;">30</td></tr> </table>	30							
30									
2 mm ø For detecting minute sensing objects Free-cut		E3X-DA□-S	<table border="1"> <tr><td style="background-color: white;">160</td></tr> <tr><td style="background-color: gray;">130</td></tr> <tr><td style="background-color: lightgray;">30</td></tr> </table>	160	130	30	0.5 mm ø (0.005 mm ø)	E32-T22R	1 mm
		160							
		130							
		30							
		E3X-DA□-N	<table border="1"> <tr><td style="background-color: black;">150</td></tr> <tr><td style="background-color: gray;">130</td></tr> <tr><td style="background-color: lightgray;">50</td></tr> </table>	150	130	50	0.5 mm ø (0.01 mm ø)		
150									
130									
50									
E3X-MDA	<table border="1"> <tr><td style="background-color: white;">100</td></tr> <tr><td style="background-color: gray;">75</td></tr> <tr><td style="background-color: lightgray;">30</td></tr> </table>	100	75	30	0.5 mm ø (0.005 mm ø)				
100									
75									
30									
E3X-NA□(V)	<table border="1"> <tr><td style="background-color: lightblue;">60</td></tr> </table>	60	0.5 mm ø (0.03 mm ø)						
60									
E3X-NA□F	<table border="1"> <tr><td style="background-color: blue;">18</td></tr> </table>	18	0.5 mm ø (0.1 mm ø)						
18									

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*2. Indicates values for standard mode.

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Features	Shape	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
1.2 mm ø with sleeve Free-cut	<p>90 mm (40 mm) (): E32-TC200B4 M4 screw 1.2-mm ø</p>	E3X-DA□-S		1.0 mm ø (0.005 mm ø)	E32-TC200B E32-TC200B4	25 mm
		E3X-DAG□-S E3X-DAB□-S				
		E3X-DA□-N		1 mm ø (0.01 mm ø)		
		E3X-DAB#-N				
		E3X-MDA		1.0 mm ø (0.005 mm ø)		
		E3X-NA□(V)		1.0 mm ø (0.03 mm ø)		
		E3X-NAG□				
		E3X-NA□F		1.0 mm ø (0.2 mm ø)		
0.9 mm ø with sleeve Free-cut	<p>90 mm (40 mm) (): E32-TC200F4 M3 screw 0.9-mm ø</p>	E3X-DA□-S		0.5 mm ø (0.005 mm ø)	E32-TC200F E32-TC200F4	10 mm
		E3X-DA□-N		0.5 mm ø (0.01 mm ø)		
		E3X-MDA		0.5 mm ø (0.005 mm ø)		
		E3X-NA□(V)		0.5 mm ø (0.03 mm ø)		
		E3X-NAG□				
		E3X-NA□F		0.5 mm ø (0.1 mm ø)		

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 *2. Indicates values for standard mode.

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Features	Shape	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
2.5 mm ø with sleeve Free-cut	<p>(): E32-DC200B4 90 mm (40 mm) M6 screw 2.5-mm ø</p>	E3X-DA□-S	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>500</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>300</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>90</div> </div>	400x400 (0.005 mm ø)	E32-DC200B E32-DC200B4	25 mm
		E3X-DAG□-S E3X-DAB□-S	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>32</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>25</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>16</div> </div>	100x100 (0.1 mm ø)		
		E3X-DA□-N	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>400</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>300</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>100</div> </div>	400x400 (0.01 mm ø)		
		E3X-DAB#-N	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>32</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>25</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>16</div> </div>	100x100 (0.1 mm ø)		
		E3X-MDA	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>300</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>210</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>90</div> </div>	400x400 (0.005 mm ø)		
		E3X-NA□(V)	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>150</div> </div>	200x200 (0.01 mm ø)		
		E3X-NAG□	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>25</div> </div>	50x50 (0.1 mm ø)		
		E3X-NA□F	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>50</div> </div>	75x75 (0.015 mm ø)		
1.2 mm ø with sleeve Free-cut	<p>(): E32-DC200F4 90 mm (40 mm) M3 screw 1.2-mm ø</p>	E3X-DA□-S	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>130</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>80</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>22</div> </div>	100x100 (0.005 mm ø)	E32-DC200F E32-DC200F4	10 mm
		E3X-DA□-N	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>100</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>80</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>30</div> </div>	100x100 (0.01 mm ø)		
		E3X-MDA	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>80</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>55</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>22</div> </div>	100x100 (0.005 mm ø)		
		E3X-NA□(V)	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>36</div> </div>	50x50 (0.01 mm ø)		
		E3X-NAG□	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>6</div> </div>	25x25 (0.1 mm ø)		
		E3X-NA□F	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 100%;"></div> <div>12</div> </div>	25x25 (0.02 mm ø)		

*1. Sensing distance based on white paper.

*2. Indicates values for standard mode.