

Selection table

Fiber sensors

Type	Cylindrical	Square shape	Miniature	Longer distance	Chemical resistant
					
Model	E32 Standard cylindrical	E32 Square shape	E32 Miniature	E32 Longer distance	E32 Chemical resistant
Key features	- standard and high-flex fibers - sizes M3 to M6	3 or 4 mm thin housing - models in X, Y or Z-axis	- sizes from dia 500 µm to 3 mm - bendable sleeves	built in focal lenses	fluoroplastic cover or coating
Through-beam	760 mm	760 mm	750 mm	20 m	3 m
Retro-reflective	250 mm	—	—	1.5 m	—
Diffuse-reflective	300 mm	300 mm	300 mm	700 mm	170 mm
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Fiber optic amplifiers

Type	Easy teach	Potentiometer adjuster	High functionality	Auto compensation	Double amplifier
					
Model	E3X-DA-SE-S	E3X-NA	E3C-DA-S	E3X-DA-AT-S	E3X-MDA
Key features	1 button object teaching - auto teach during operation	easy adjustment by potentiometer	High functionality signal processing (timer, counter, power tuning, etc.)	Active threshold control	2 inputs and AND, OR signal comparison
Response time (min.)	1 ms	200 µs	1 ms (55 µs in high speed mode)	1 ms (80 µs in super high speed mode)	1 ms (130 µs in super high speed mode)
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Heat resistant	Vacuum resistant	Robot applications	Precision detection	Area monitoring	Special application
					
E32 Heat resistant	E32 Vacuum resistant	E32 Robot	E32 Precision detection	E32 Area monitoring	E32 Special
• heat resistant up to 400°C	• leakage rate of 1×10^{-10} Pa·m ³ /s max	• >1 Mio bending cycles	• detection accuracy up to 100 µm	• area monitoring from 10 mm up to 70 mm	• detection of special objects
1.3 m	480 mm	680 mm	1.9 m	2.8 mm	1.9 m
—	—	—	—	—	—
280 mm	—	170 mm	300 mm	150 mm	300 mm
243	244	245	246	247	248

High speed	Colour/print mark detection
	
E3X-NA-F	E3X-DAC-S
• Short turn on time of 20 µs	• White LED and RGB ratio comparison
20 µs	1 ms (60 µs in high speed mode)
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