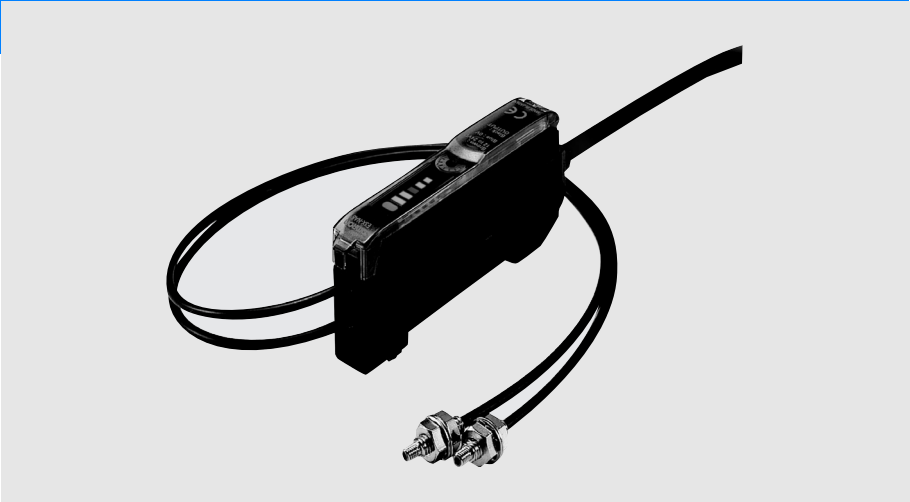



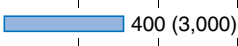
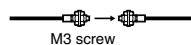



Ultra-miniature cylindrical photoelectric sensors

E32-□C200 + E3X-NA□V

- Ultra miniature M3, M4 or M6 size for demanding mounting condition
- Through-beam and diffuse reflective models
- Plug & Play connection for quick installation and setup
- High protection amplifier with manual adjuster for simple adjustment



Sensing Distance

Size	Shape	Type	Sensing distance (mm) ^{*1} (Parentheses: With E39-F1 Lens Unit)	Standard object (min. sensing object ^{*2}) (Parentheses: Opaque object)	Model	Permissible bending radius
M4	 M4 screw	Through-beam	 400 (3,000)	1.0 mm ø (0.03 mm ø)	E32-TC200	25 mm
M3	 M3 screw		 360	1.0 mm ø (0.03 mm ø)	E32-TC200A	25 mm
M6	 M6 Screw	Diffuse reflective	 150	200x200 (0.01 mm ø)	E32-DC200	25 mm

*1. Sensing distance based on white paper.

*2. Indicates values for standard mode.

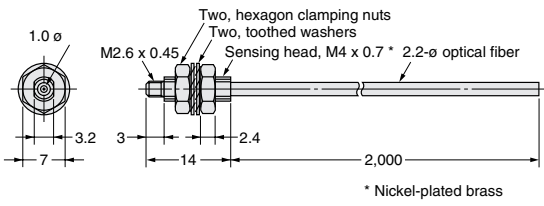
Rating/Performance

Item		E32-□200
Ambient temperature	Operation	-40°C to 70°C (with no icing or condensation)
	Storage	
Admissible bending radius		25 mm min.
Fiber sheath material		Black polyethylene
Protective structure		IEC 60529 IP67

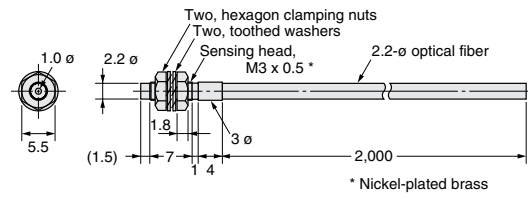
Dimensions

Throughbeam

E32-TC200

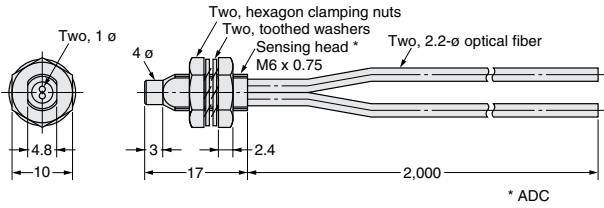


E32-TC200A



Diffuse reflective

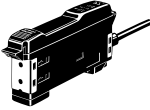
E32-DC200




Ordering Information

Amplifier Units

Pre-wired


Shape	Control output	Model	
		NPN output	PNP output
	ON/OFF output	E3X-NA11V	E3X-NA41V

Connector type


Shape	Control output	Model	
		NPN output	PNP output
	ON/OFF output	E3X-NA14V	E3X-NA44V

Accessories (Order Separately)

Mounting Brackets

Shape	Applicable type	Model	Quantity
	E3X-NA□V	E39-L148	1

End Plate

Shape	Model	Quantity
	PFP-M	1

Rating/performance

Amplifier Units

Item	Model	Pre-wired	Connector type
		NPN output	E3X-NA11V
	PNP output	E3X-NA41V	E3X-NA44V
Light source (wave length)	Red LED (680 nm)		
Power supply voltage	12 to 24 VDC ±10%, ripple (p-p): 10% max.		
Control output	Load current 50 mA (residual voltage 1 V max. each) Open collector output type (depends on the NPN/PNP output format) Light-ON/Dark-ON switch selectable		
Response time	200 s max. for operation and reset respectively ^{*1}		
Timer function	OFF-delay timer: 40 ms (fixed)		
Ambient temperature	Operating: Groups of 1 to 3 Amplifiers: -25 to +55°C, Groups of 4 to 11 Amplifiers: -25 to +50°C, Groups of 12 to 16 Amplifiers: -25 to +45°C Storage: -30 to +70°C (with no icing and condensation)		
Vibration resistance	10 to 55 Hz with a 1.5 mm double amplitude for 2 hrs each in X, Y and Z directions		
Shock resistance	Destruction: 500 m/s ² for 3 times each in X, Y, and Z directions		
Protective structure	IEC 60529 IP66 (with Protective Cover attached)		
Connection method	Pre-wired models (standard length: 2 m)		M8 connector
Material	Case	PBT (polybutylene terephthalate)	
	Cover	Polyethersulfone (PES)	

*1 If 8 or more units are installed side-by-side, the response time is 350 s max.

Cat. No. E35E-EN-01

In the interest of product improvement, specifications are subject to change without notice.

OMRON EUROPE B.V.

Wegalaan 67-69,
NL-2132 JD, Hoofddorp,
The Netherlands
Phone: +31 23 568 13 00
Fax: +31 23 568 13 88
www.eu.omron.com