

Easy mounting photoelectric sensor in short M18 housing

# E3FZ/E3FR

- Secure-click snap mounting for fast installation
- High power LED for enhanced sensing distance
- Short housing with less than 40 mm length
- Minimal optical axis deviation for easy alignment

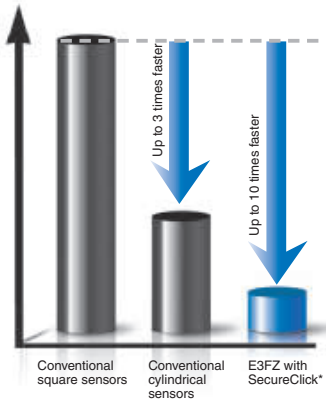


## Features

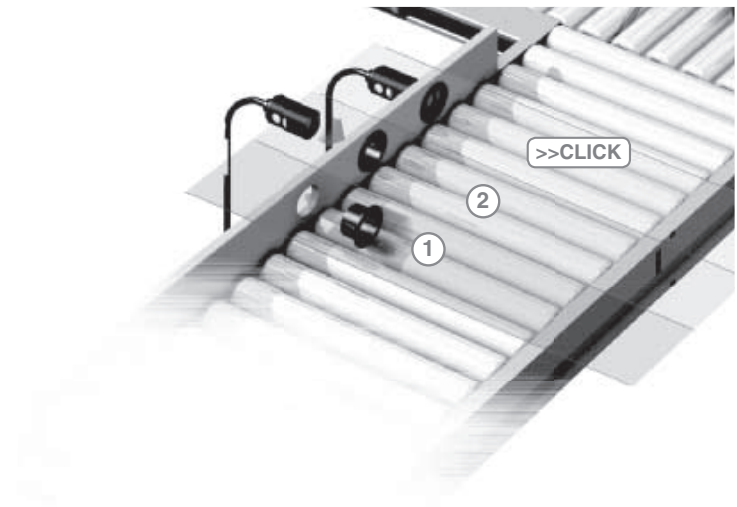
### Easy and fast installation

The **SecureClick** snap mounting mechanism provides easy installation in 2 steps and enhanced protection against vibration.

Installation time can be reduced by up to 10 times compared to conventional sensors.











\*SecureClick has been tested to withstand severe vibrations.





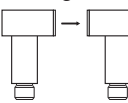

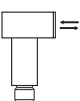
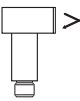


Ordering Information

Snap mounting – E3FZ<sup>\*2</sup>

Sensor type	Sensing distance	Connection method				Order code	
						NPN output	PNP output
Through-beam 	15 m	–	–	2 m	–*3	E3FZ-T61H 2M	E3FZ-T81H 2M
		–	■	–	–*3	E3FZ-T66H	E3FZ-T86H
Retroreflective with M.S.R. 	0.1 to 4 m <sup>*1</sup>	–	–	2 m	–*3	E3FZ-R61H 2M	E3FZ-R81H 2M
		–	■	–	–*3	E3FZ-R66H	E3FZ-R86H
Diffuse reflective 	1 m (adjustable)	–	–	2 m	–*3	E3FZ-D62 2M	E3FZ-D82 2M
		–	■	–	–*3	E3FZ-D67	E3FZ-D87
Diffuse reflective (background suppression) 	100 mm (fixed)	–	–	2 m	–*3	E3FZ-LS61H 2M	E3FZ-LS81H 2M
		–	■	–	–*3	E3FZ-LS66H	E3FZ-LS86H
	200 mm (fixed)	–	–	2 m	–*3	E3FZ-LS64H 2M	E3FZ-LS84H 2M
		–	■	–	–*3	E3FZ-LS69H	E3FZ-LS89H

Radial mounting – E3FR

Sensor type	Sensing distance	Connection method				Order code	
						NPN output	PNP output
Through-beam 	15 m	–	–	2 m	–*3	E3FR-T61H 2M	E3FR-T81H 2M
		–	■	–	–*3	E3FR-T66H	E3FR-T86H
Retroreflective with M.S.R. 	0.1 to 4 m <sup>*1</sup>	–	–	2 m	–*3	E3FR-R61H 2M	E3FR-R81H 2M
		–	■	–	–*3	E3FR-R66H	E3FR-R86H
Diffuse reflective 	1 m (adjustable)	–	–	2 m	–*3	E3FR-D62 2M	E3FR-D82 2M
		–	■	–	–*3	E3FR-D67	E3FR-D87
Diffuse reflective (background suppression) 	100 mm (fixed)	–	–	2 m	–*3	E3FR-LS61H 2M	E3FR-LS81H 2M
		–	■	–	–*3	E3FR-LS66H	E3FR-LS86H
	200 mm (fixed)	–	–	2 m	–*3	E3FR-LS64H 2M	E3FR-LS84H 2M
		–	■	–	–*3	E3FR-LS69H	E3FR-LS89H

\*1. Measured with reflector E39-R1S  
The reflector is sold separately.

\*2. Mounting with Snap-Holder (provided with product) or M18 Nuts (provided with product) possible.

\*3. Pre-wired connectors are available on request (item description see "Model Number Legend" on page 4)