

## Safety Single Beam Sensor &amp; Controller

E3FS series with  
F3SP-U3P-TGR and F3SP-U5P-TGR

## Features

The E3FS is a type 2 Safety Single beam sensor intended to be used with the control units F3SP-U3P -TGR and F3SP-U5P-TGR.

- Safety Single Beam (E3FS)
  - 1) Up to Category 2 (EN954-1)  
Type2 ESPE and Type2 AOPD.  
Approved by TÜV Product Service
- Muting Controller for Safety single beam sensor (F3SP-U3P-TGR and F3SP-U5P-TGR)
  - 1) Muting functions are integrated  
Muting inputs  
Override function  
Muting Lamp output  
Interlock function and Test Reset input
  - 2) 2 different model available  
2 beam unit (F3SP-U3P-TGR)  
4 beam unit (F3SP-U5P-TGR)
  - 3) Small Controller  
2 beam unit W=22.5 mm  
4 beam unit W=45.0 mm





- 2) High protection against water  
IP67 (IEC60529)
- 3) Small Sensor  
M18 x 65 mm
- 4) 4 different model available  
Plastic case (with cable type and connector type)  
Brass case (with cable type and connector type)

## Ordering Information



### Safety Single beam Sensors (Type 2)

#### E3FS-10B4 series

Appearance	Case material	Operation distance	Model	
	Plastic	 0 to 10 m	Cable Type	E3FS-10B4
			Plug Type	E3FS-10B4-P1
	Nickel Brass		Cable Type	E3FS-10B4-M
			Plug Type	E3FS-10B4-M1-M


### Controller for Safety Single beam Sensors

#### F3SP-UxP series


Appearance	Sensors	Output contacts	Width	Model
	1 to 2 Safety Single beam sensors	2 NO 2.5 A	22.5 mm	F3SP-U3P-TGR
	1 to 4 Safety Single beam sensors		45 mm	F3SP-U5P-TGR

### Accessories

#### Muting Lamp

Appearance	Model
	F39-A11

#### Bulb for Maintenance

Appearance	Specification	Model
	24 V DC 3 W E14	F39-A11MB