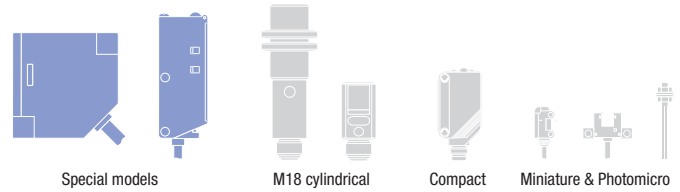


Lightcurtain in robust aluminium housing

The F3ET lightcurtains provide a reliable area monitoring in a robust housing. The M12 5-pin connectors and optical synchronisation between emitter and receiver allow a fast and simple installation without special requirements.

- Optical synchronisation for reliable operation without additional wiring
- Robust aluminium housing
- NPN/PNP and light on/dark on selectable



Ordering information

Sensor type	Detection area (Max _M)	Pitch	Sensing distance	Channels	Connection method				Output	Order code
 Through-beam	150	5 mm	3 m	30	—	5 pin	—	—	NPN/PNP	F3ET-005-150
		18 mm	15 m	8	—		—	—		F3ET-018-150
	300	5 mm	3 m	60	—		—	—		F3ET-005-300
		18 mm	15 m	16	—		—	—		F3ET-018-300
	600	5 mm	3 m	120	—		—	—		F3ET-005-600
		18 mm	15 m	32	—		—	—		F3ET-018-600
	900	5 mm	3 m	180	—		—	—		F3ET-005-900
		18 mm	15 m	48	—		—	—		F3ET-018-900
	2100	18 mm	15 m	112	—		—	—		F3ET-018-2100

Lightcurtain accessories

Shape	Type	Comment	Order Code
	Laser alignment kit	snap-on Laser beam generator and level	F39-TGR-LLK2-SB
	Protective tube	for F3ET-_-150	F3ET-IP150
		for F3ET-_-300	F3ET-IP300
		for F3ET-_-600	F3ET-IP600
		for F3ET-_-900	F3ET-IP900

Specifications

Item	Through-beam	
	5 mm pitch	18 mm pitch
Sensing distance	0 to 3 m	0 to 15 m
Vertical detection area	0 to Max _M mm; Max _M : 150, 300, 600, 900, 2000 ^{*1}	0 to Max _M mm; Max _M : 150, 300, 600, 900, 2100 ^{*2}
Minimum detectable object size	10 mm	30 mm
Pitch	5 mm	18 mm
Response time	t=5 ms + 0,18 x Max _M ms	
Light source (wave length)	Infrared LED (950 nm)	
Power supply voltage	24 VDC ±10%	
Ambient temperature	0 to 50°C	
Degree of protection	IEC 60529 IP65	
Dimensions	35 x 45 x (55 + 1.06 x Max _M) mm	35 x 45 x (55 + 0.98 x Max _M) mm
Material	Aluminium	

*1 Models with different detection ranges between 150 mm and 2000 mm are available in 50 mm intervals.

*2 Models with different detection ranges between 150 mm and 2100 mm are available in 150 mm intervals.

For thin housing see F3E					For cable connectors see accessories
General purpose	Food and Beverage	Automotive	Semiconductor	Material handling	Accessories