

Safety Light Curtain

F3SJ-B

Basic Type with a combination of performance and functionality

- Up to three sets of series-connected sensors.
- The muting function is enabled simply with Muting Key Cap.
- Comes standard with interlock and auxiliary output functions.

Related information

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Ordering Information

Main Units

Safety Light Curtain

Application	Detection capability	Beam gap	Operating range	Protective height (mm)	Model	
					PNP output	NPN output
Hand protection	Dia. 25 mm	20 mm	0.2 to 7 m	185 to 2,065	F3SJ-B□□□□P25 *1	F3SJ-B□□□□N25
Hand protection	Dia. 25 mm	20 mm	0.2 to 7 m	185 to 2,065	F3SJ-B□□□□P25-01TS *2	---
Environmental resistance	Dia. 25 mm	20 mm	0.2 to 6 m	225 to 1,985	F3SJ-B□□□□P25-02TS *2	---

*1. For S-mark compatible model, the suffix "-S" is added to the model name. (except for models with the suffix "-01TS" or "-02TS".)
(Example) F3SJ-E0185P25-S

*2. The F3SJ-B series with the suffix "-01TS" or "02TS" have different functions. Refer to page 37 for details.

Safety Light Curtain Model List

Please contact our sales representative.

F3SJ-B Series (20 mm pitch)

F3SJ-B-01TS Series (20 mm pitch)

F3SJ-B-02TS Series (20 mm pitch)

Model				Number of beams	Protective height [mm] *
PNP output	NPN output	PNP output	PNP output		
F3SJ-B0185P25	F3SJ-B0185N25	F3SJ-B0185P25-01TS	-	8	185
F3SJ-B0225P25	F3SJ-B0225N25	F3SJ-B0225P25-01TS	F3SJ-B0225P25-02TS	10	225
F3SJ-B0305P25	F3SJ-B0305N25	F3SJ-B0305P25-01TS	F3SJ-B0305P25-02TS	14	305
F3SJ-B0385P25	F3SJ-B0385N25	F3SJ-B0385P25-01TS	F3SJ-B0385P25-02TS	18	385
F3SJ-B0465P25	F3SJ-B0465N25	F3SJ-B0465P25-01TS	F3SJ-B0465P25-02TS	22	465
F3SJ-B0545P25	F3SJ-B0545N25	F3SJ-B0545P25-01TS	F3SJ-B0545P25-02TS	26	545
F3SJ-B0625P25	F3SJ-B0625N25	F3SJ-B0625P25-01TS	F3SJ-B0625P25-02TS	30	625
F3SJ-B0705P25	F3SJ-B0705N25	F3SJ-B0705P25-01TS	F3SJ-B0705P25-02TS	34	705
F3SJ-B0785P25	F3SJ-B0785N25	F3SJ-B0785P25-01TS	F3SJ-B0785P25-02TS	38	785
F3SJ-B0865P25	F3SJ-B0865N25	F3SJ-B0865P25-01TS	F3SJ-B0865P25-02TS	42	865
F3SJ-B0945P25	F3SJ-B0945N25	F3SJ-B0945P25-01TS	F3SJ-B0945P25-02TS	46	945
F3SJ-B1025P25	F3SJ-B1025N25	F3SJ-B1025P25-01TS	F3SJ-B1025P25-02TS	50	1,025
F3SJ-B1105P25	F3SJ-B1105N25	F3SJ-B1105P25-01TS	F3SJ-B1105P25-02TS	54	1,105
F3SJ-B1185P25	F3SJ-B1185N25	F3SJ-B1185P25-01TS	F3SJ-B1185P25-02TS	58	1,185
F3SJ-B1265P25	F3SJ-B1265N25	F3SJ-B1265P25-01TS	F3SJ-B1265P25-02TS	62	1,265
F3SJ-B1345P25	F3SJ-B1345N25	F3SJ-B1345P25-01TS	F3SJ-B1345P25-02TS	66	1,345
F3SJ-B1425P25	F3SJ-B1425N25	F3SJ-B1425P25-01TS	F3SJ-B1425P25-02TS	70	1,425
F3SJ-B1505P25	F3SJ-B1505N25	F3SJ-B1505P25-01TS	F3SJ-B1505P25-02TS	74	1,505
F3SJ-B1585P25	F3SJ-B1585N25	F3SJ-B1585P25-01TS	F3SJ-B1585P25-02TS	78	1,585
F3SJ-B1665P25	F3SJ-B1665N25	F3SJ-B1665P25-01TS	F3SJ-B1665P25-02TS	82	1,665
F3SJ-B1745P25	F3SJ-B1745N25	F3SJ-B1745P25-01TS	F3SJ-B1745P25-02TS	86	1,745
F3SJ-B1825P25	F3SJ-B1825N25	F3SJ-B1825P25-01TS	F3SJ-B1825P25-02TS	90	1,825
F3SJ-B1905P25	F3SJ-B1905N25	F3SJ-B1905P25-01TS	F3SJ-B1905P25-02TS	94	1,905
F3SJ-B1985P25	F3SJ-B1985N25	F3SJ-B1985P25-01TS	F3SJ-B1985P25-02TS	98	1,985
F3SJ-B2065P25	F3SJ-B2065N25	F3SJ-B2065P25-01TS	-	102	2,065

* Protective height (mm) = Total sensor length

- Note: 1. The models with the suffix "-01TS" or "-02TS" are the PNP type only.
2. The test input logic is inverted for the models with the suffix "-01TS".
3. Reset mode is fixed with auto reset mode for the models with the suffix "-01TS" or "-02TS".