

**INDUSTRIAL COMPONENT DATA**

# F3SJ-B0545P25 F3SB0006D F3SJB0545P25 OMRON Class IV Basic Hand 545mm serial Connection

Brand: OMRON | Manufacturer Part Number: F3SJ-B0545P25



|                 |               |
|-----------------|---------------|
| Manufacturer    | OMRON         |
| MPN / Reference | F3SJ-B0545P25 |
| Catalog number  | F3SJB0545P25  |
| Category        | Light curtain |
| Minimum order   | 1 Pcs         |
| Document ID     | EO-6542AB0B4A |
| Generated       | 2026-08-02    |

## Product Overview

Class IV Basic Hand 545mm serial Connection

Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 545 mm, PNP

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path      OMRON &gt; Safety &gt; F3SJ-A and MS Barriers

## Additional Product Information

ETIM for 356741 Sensors (EC002549)

Feature Name

Feature Value

Explosion safety category for dust (EF003998)

None

Voltage type (EF000187)

DC

Type of switching output of the OSSD (EF003959)

PNP

Scope of delivery of the one-way system (EF004032)

Transmitter and receiver

Degree of protection (NEMA) (EF011959)

Other

Degree of protection (IP) (EF005474)

IP65

Type of safety according to IEC 61496-1 (EF004105)

4

Type of interface for safety communication (EF003956)

Other

Type of electric connection (EF003961)

Connector M12

Operation agent-safety class (EF003982)

Safety class 3

Explosion safety category for gas (EF003997)

None

Cascadable (EF000507)

Yes

With muting function (EF004057)

Yes

With monitoring function downstream switching devices (EF004052)

Yes

Suitable for safety functions (EF001597)

Yes

Fade-out possible (EF003955)

No

Max. output current at protected output (EF004035)

200 mA

Number of protected contact energized outputs (EF003952)

0

Number of semiconductor outputs with signalling function (EF003945)

1

Safety field height (EF004103)

545 mm

Wavelength of the sensor (EF004132)

870 nm

Detection capability for test bodies (EF003991)

25 mm

Resolution of the light curtain (EF006784)

20 mm

Response time (EF004094)

15 ms

Number of protected semiconductor outputs (EF003951)

2

Transmission range of the safety field (EF004098)

7 m

Switching voltage of OSSD at state "high" (EF004102)

24 V

Width sensor (EF007094)

30 mm

Height of sensor (EF007283)

30 mm

Length of sensor (EF007334)

545....

### REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SJ-B0545P25 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

#### GLOBAL OFFICES

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