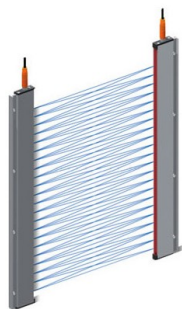


## INDUSTRIAL COMPONENT DATA

**F3E-46-T1 5M AA020970C F3E46T15M OMRON 46 channels, 136 beam, h:2000mm, Area sleuth. 1800mm Cable 5M**

Brand: OMRON | Manufacturer Part Number: F3E-46-T1 5M



|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | OMRON                       |
| MPN / Reference | F3E-46-T1 5M                |
| Catalog number  | F3E46T15M                   |
| Category        | Multiple beam light curtain |
| Minimum order   | 1 Pcs                       |
| Document ID     | EO-CEED604FB3               |
| Generated       | 2026-08-02                  |

**Product Overview**

46 channels, 136 beam, h:2000mm, Area sleuth. 1800mm Cable 5M

46 channels, 136 beams, h:2000mm, Detection area. 1800mm Cable 5M

## 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; Advanced sensors &gt; Other Sensors

**Additional Product Information**

Thin 9 mm shape for easy design-in in elevator constructions

High ambient light immunity

Robust aluminium housing

Fulfills requirements of EN81-70 (1800 mm models) for mounting in elevators

Specifications &amp; ordering info

Ordering information

Sensor type

Detection

area

Pitch

Sensing

distance

Channels

Number of

optical axis

Connection method

Order code1

Potential free output

Through-beam

200 mm

40 mm

5 m

6

16

-

-

5 m

-

F3E-06-T1 5M

¢

-

-

-

F3E-06-T6

1320 mm

120 mm

12

34

-

-

5 m

-

F3E-12-T1 5M

¢

-

-

-

F3E-12-T6

1800 mm

120 mm

16

46

-

-

5 m

-

F3E-16-T1 5M

¢

-

-

-

F3E-16-T6

40 mm

46

136

-

-

5 m

-

F3E-46-T1 5M

¢

-

-

-

F3E-46-T6

Specifications

Item

Through-beam

F3E-06-T\_

F3E-12-T\_

F3E-16-T\_

F3E-46-T\_

Number of LEDs

6

12

16

46

Number of optical axes

16

34

46

136

Pitch

40 mm

120 mm

120 mm

40 mm

Vertical detection range

20 to 200 mm

20 to 1320 mm

20 to 1820 mm

Response time

max. 110 ms (signal interruption)

Light source (wave length)

Infrared LED (880 nm)

Power supply voltage

10 to 30 VDC

Ambient temperature

**Operation**

-20 to 60°C

**Storage**

-40 to 70°C

**EMC conformity/standards**

73/23/EWG; 89/336/EWG; 95/16/EG; EN81-1; EN81-2; EN12015; EN12016; EN61000-6-x

**Degree of protection**

IEC 60529 IP54

**Dimensions**

400 × 40.7 × 9 mm

1590 × 40.7 × 9 mm

2070 × 40.7 × 9 mm

2000 × 40.7 × 9 mm

**Material****Case**

Aluminum

1.Light-ON/Dark-ON settable. Common operation is Dark-ON

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send OMRON / F3E-46-T1 5M 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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