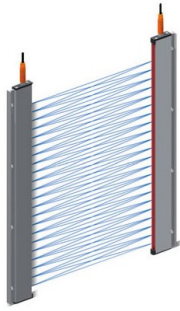


INDUSTRIAL COMPONENT DATA

F3E-46-T6 AA020972M F3E46T6 OMRON 46 channels, 136 beam, h:2000mm, Area sleuth. 1800mm Connector M8

Brand: OMRON | Manufacturer Part Number: F3E-46-T6



Manufacturer	OMRON
MPN / Reference	F3E-46-T6
Catalog number	F3E46T6
Category	Multiple beam light curtain
Minimum order	1 Pcs
Document ID	EO-CDAD6102F1
Generated	2026-07-31

Product Overview

46 channels, 136 beam, h:2000mm, Area sleuth. 1800mm Connector M8

46 channels, 136 beams, h:2000mm, Detection area. 1800mm M8 connector

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path OMRON > Advanced sensors > 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 & 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-T6 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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