



Product Service

CERTIFICATE

No. Z10 070596 0049 Rev. 00

Holder of Certificate: ifm electronic gmbhFriedrichstr. 1
45128 Essen
GERMANY**Certification Mark:****Product:** Electro-Sensitive Protective Equipment
Safety Light Curtain (Type 4)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: IE97157T**Valid until:** 2026-07-14**Date,** 2021-07-26

(Christian Dirmeier)



Product Service

CERTIFICATE

No. Z10 070596 0049 Rev. 00

Parameters:

Power Supply: 24VDC $\pm$ 20%
 Power Consumption: Max. 1W (Emitter)
 Max. 2W (Receiver)
 Output: pnp, max. 400mA
 Resolution: 14/20/30/40/50/90mm
 or
 Number of Beams 02/03/04
 Working Range: 0-4 / 3-20m
 Operating temperature: -30°C ... 55°C
 Protection class: IP65/IP67/IP69k

Tested according to:

2006/42/EC
 EN IEC 61496-1:2020 (Type 4)
 EN IEC 61496-2:2020 (Type 4)
 IEC 61508-1:2010 (SIL 3)
 IEC 61508-2:2010 (SIL 3)
 IEC 61508-3:2010 (SIL 3)
 EN 62061:2005/A2:2015 (SILCL 3)
 EN ISO 13849-1:2015 (Cat 4, PL e)

Model(s):**OY XXXX - XX - 4 - XX - P - X - X**

For nomenclature see below

OY XXXXX - XX - 4 - XX - P - X - X

(I) (II) (III) (IV) (V) (VI) (VII) (VIII)

(I)	Type A: B: C: D:	Transmitter and receiver Transmitter Receiver Active / passive system
(II)	Protection height in mm: 150-2250	150-2550 mm in steps of 100mm or 150mm
(III)	Resolution: or Number of beams:	14mm, 20mm, 30mm, 40mm, 50mm, 90mm 02, 03, 04
(IV)	4	Type 4
(V)	Maximum operating range	in meters
(VI)	P:	PNP output
(VII)	Connector 1: 2: 3:	M12 connector (transmitter: 5-wire; receiver: 8-wire) M23 connector M12 connector (transmitter: 5-wire; receiver: 5-wire)
(VIII)	Options A: B:	Protective tube IP69K (optional) Blanking (optional)



Product Service

EC-Type Examination Certificate

No. M6A 070596 0051 Rev. 00

Holder of Certificate: ifm electronic gmbh
Friedrichstr. 1
45128 Essen
GERMANY

Product: Electro-Sensitive Protective Equipment
Safety Light Curtain (Type 4)

This EC Type Examination Certificate is issued according to Article 12(3) b or 12(4) a of Council Directive 2006/42/EC relating to machinery. It confirms that the listed Annex-IV equipment complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: IE97157T

Valid until: 2026-07-14

Date, 2021-07-26

(Christian Dirmeier)



Product Service

EC-Type Examination Certificate

No. M6A 070596 0051 Rev. 00

Model(s):

OYX XXXX - XX - 4 - XX - P - X - X

For nomenclature see below

Parameters:

Power Supply: 24VDC $\pm$ 20%
Power Consumption: Max. 1W (Emitter)
Max. 2W (Receiver)
Output: pnp, max. 400mA
Resolution: 14/20/30/40/50/90mm
or
Number of Beams 02/03/04
Working Range: 0-4 / 3-20m
Operating temperature: -30°C ... 55°C
Protection class: IP65/IP67/IP69k

Nomenclature of OY XXXXX - XX - 4 - XX - P - X - X

OY XXXXX - XX - 4 - XX - P - X - X

(I) (II) (III) (IV) (V) (VI) (VII) (VIII)

(I)	Type A: B: C: D:	Transmitter and receiver Transmitter Receiver Active / passive system
(II)	Protection height in mm: 150-2250	150-2550 mm in steps of 100mm or 150mm
(III)	Resolution: or Number of beams:	14mm, 20mm, 30mm, 40mm, 50mm, 90mm 02, 03, 04
(IV)	4	Type 4
(V)	Maximum operating range	in meters
(VI)	P:	PNP output
(VII)	Connector 1: 2: 3:	M12 connector (transmitter: 5-wire; receiver: 8-wire) M23 connector M12 connector (transmitter: 5-wire; receiver: 5-wire)
(VIII)	Options A: B:	Protective tube IP69K (optional) Blanking (optional)