



Product Service

CERTIFICATE

No. Z10 049833 0034 Rev. 01

Holder of Certificate: **ABB Electrification Sweden AB**

Motorgränd 20
721 61 Västerås
SWEDEN

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.: AM102077T

Valid until: 2028-08-15

Date, 2023-12-14

(Christian Dirmeier)

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Parameters:

Supply Voltage: 24 $\pm$ 20% Vdc
Resolution: 14mm, 30mm
or 2, 3, 4 beams
Protection class: IP65

**Tested
according to:**

2006/42/EC
EN IEC 61496-1:2020 (Type 4)
EN IEC 61496-2:2020 (Type 4)
EN ISO 13849-1:2015 (Cat.4, PL e)
EN 61508-1:2010 (SIL3)
EN 61508-2:2010 (SIL3)
EN 61508-3:2010 (SIL3)
EN 61508-4:2010 (SIL3)
EN IEC 62061:2021 (maximum SIL 3)

Model(s):**ORION-Series**

For nomenclature see next page

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Nomenclature of ORION-Series

Orion a - 4 - bbb - ccc - d

with:

a	Model	
	1:	light curtain
	2:	light grid with transmitter and receiver
	3:	light grid with transmitter/receiver unit and mirror
b	Resolution	
	14	14 mm (only for a=1)
	30	30 mm (only for a=1)
	K2	2 Beams (only for a=2)
	K3	3 Beams (only for a=2)
	K4	4 Beams (only for a=2)
	K1C	2 Beams – 1 emitted, 1 reflected (only for a=3)
	K2C	3 or 4 Beams – 2 emitted, 2 reflected (only for a=3)
c	Height	
	015 to 180:	15 to 180 cm in steps of 15 cm (only for a=1)
	050, 080, 090, 120:	Height in cm (only for a=2 or 3)
d	Additional function	
	B:	Base model (EDM + Auto/Man Reset)
	E:	Extended model (Base + Muting and/or programmable)