



Product Service

CERTIFICATE

No. Z10 16 05 24820 066

Holder of Certificate: **Reer Spa**32 via Carcano
10153 Torino
ITALY

Factory(ies):

24820

Certification Mark:



Product:

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

Model(s):

EOS4 X XXX X X X**EOS4 X X B X****For nomenclature see attachment**

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 (EOS4 X XXX X X X)
Working Range:	0-4 / 3-20m
Distance between beam:	300/400/500mm (EOS4 X XB X)
Operating temperature:	-30°C ... 55°C
Protection class:	IP65/IP67/IP69k

Tested

according to:

2006/42/EC
EN 61496-1:2013 (Type 4)
EN 61496-2:2013 (Type 4)
IEC 61508-1(ed.2) (SIL 3)
IEC 61508-2(ed.2) (SIL 3)
IEC 61508-3(ed.2) (SIL 3)
IEC 61508-4(ed.2) (SIL 3)
EN 62061:2005/A2:2015 (SILCL 3)
EN ISO 13849-1:2015 (Cat. 4, PL e)

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. See also notes overleaf.

Test report no.: 717502248

Valid until: 2021-05-22

Date, 2016-05-30

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(Guido Neumann)





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ATTACHMENT TO CERTIFICATE

No. Z10 16 05 24820 066

1 Nomenclature of EOS4

EOS4	X	XXX	X	X	X	(X)
	(A)	(B)	(C)	(D)	(E)	(F)

- A:** E (emitter)
R (receiver)
- B:** height: 15-225
- C:** resolution: 1-9
- D:** operation
A = Automatic
X = With integrated control functions
XM = Master
XS = Slave
XS2 = Slave intermediate
- E:** None = 12 m range or 14 mm res with 6 m range
H = 20 m range
- F:** Type of Protection
None = IP67
WTF = IP69k system for food applications
WTHF = IP69k Water tight system for food applications with heating system

EOS4	X	X	B	X	X
(A) (B)		(C)	(D)		

- A:** E (emitter)
R (receiver)
- B:** number of beams 2, 3, 4
- C:** operation
A = Automatic
X = With integrated control functions
XM = Master
XS = Slave
XS2 = Slave intermediate
- D:** Type of Protection
None = IP67
WTF = IP69k system for food applications
WTHF = IP69k Water tight system for food applications with heating system

Zertifizierungsvertrag

Grundlage für die Zertifikatserteilung ist die Prüf- und Zertifizierungsordnung von TÜV SÜD Product Service.

Mit Erhalt des Zertifikates erkennt der Zertifikatsinhaber die jeweils gültige Fassung der Prüf- und Zertifizierungsordnung an (www.tuev-sued.de/ps_regulations) und wird somit Partner im Zertifizierungssystem von TÜV SÜD Product Service.

Prinzipielle Voraussetzung für die Gültigkeit des Zertifikates:

- Gültigkeit der zitierten normativen Prüfgrundlage(n) ist gegeben
- und zusätzlich bei Zertifikaten mit Berechtigung zur Verwendung eines Prüfzeichens bzw. bei Zertifikaten für QM-Systeme:
- Voraussetzungen für vorschriftsmäßige Fertigung werden eingehalten.
- Die Fertigungs- bzw. Betriebsstätten werden regelmäßig überwacht.

Certification contract

Certification is based on the TÜV SÜD Product Service Testing and Certification Regulations.

On receipt of the certificate the certificate holder agrees to the current version of the Testing and Certification Regulations (www.tuev-sued.de/ps_regulations) and thus becomes partner in the TÜV SÜD Product Service Certification System.

Requirements for the validity of the certificate in principle:

- Validity of the quoted test standard(s)
- In addition for certificates with the right to use a certification mark and for QM certificates:
- Conditions for an adequate manufacturing are maintained
- Regular surveillance of the facility is performed

Akkreditierungen / Benennungen
Accreditations / notifications

(Status 25.02.2010) /
(as of 2010-02-25)

Deutschland / Germany

Geräte- und Produktsicherheitsgesetz (GPSG) /
Equipment and Product Safety Act (GPSG)

Europa / Europe

- Niederspannungsrichtlinie 2006/95/EG
- Spielzeugrichtlinie 2009/48/EG
- Richtlinie für aktive medizinische Implantate 90/385/EWG
- Richtlinie für Medizinprodukte 93/42/EWG
- Richtlinie für In-vitro-Diagnostika 98/79/EG
- Richtlinie für Gasverbrauchseinrichtungen 90/396/EWG
- Richtlinie für persönliche Schutzausrüstungen 89/686/EWG
- EMV-Richtlinie 2004/108/EG
- Richtlinie für Sportboote 94/25/EG + 2003/44/EG
- Richtlinie für Maschinen 2006/42/EG
- Richtlinie für Ex-Schutz Geräte 94/9/EG
- Low Voltage Directive 2006/95/EC
- Toys Directive 2009/48/EC
- Directive for Active Implantable Medical Devices 90/385/EEC
- Directive for Medical Devices 93/42/EEC
- Directive on In Vitro Diagnostic Medical Devices 98/79/EC
- Directive for Gas Appliances 90/396/EEC
- Directive for Personal Protective Equipment 89/686/EEC
- EMC Directive 2004/108/EC
- Directive for Recreational Craft 94/25/EC + 2003/44/EC
- Directive for Machinery 2006/42/EC
- Directive for Ex Safe Equipment 94/9/EC
- ENEC Agreement for luminaires and IT equipment

USA

- Nationally Recognized Testing Laboratory (NRTL) to 29 CFR 1910.7 by OSHA
- Accredited for FDA 510(k) Third Party Review
- Conformity Assessment Body to the MRA for Medical Devices; FDA QSR Reg Inspections, FDA 510(k) Third Party Review

Asien-Pazifik Region / Asia Pacific

- Recognized Certification Body to Electrical Products (Safety) Regulation; Hong Kong
- Konformitätsbewertungsstelle / Conformity Assessment Body to the MRA for Medical Devices; Australien / Australia
- Konformitätsbewertungsstelle / Conformity Assessment Body to the MRA for Medical Devices; Neuseeland / New Zealand

Weltweit / Worldwide

- NCB im CB-Scheme des IECEE / NCB in the CB Scheme of IECEE
- ExCB im IECEX-Scheme des IECEE / ExCB in the IECEX Scheme of IECEE
- TÜV SÜD Product Service Mark für Produkte / TÜV SÜD Product Service Mark for products DAP-ZE-1213.00
- Zertifizierung von QMS / Certification of QMS TGA-ZM-08-93-00
- Zertifizierung von QMS gemäß / Certification of QMS according to (DIN) EN ISO 13485 / ISO 13485