



CERTIFICATE

No. Z10 11 01 22795 081

Holder of Certificate: **Leuze electronic GmbH + Co. KG**

Liebigstrasse 4
82256 Fürstenfeldbruck
GERMANY

Certification Mark:



Product:

**Electro-Sensitive Protective Equipment
Safety Light Grid (Type 2/4)**

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. See also notes overleaf.

Test report no.: 717501336

Valid until: 2016-01-18

Date, 2011-01-18

(Alfred Beer)

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Model(s): **MLD 300 / MLD 500**
For nomenclature see attachment

Parameters:

Power Supply:	24VDC ± 20%
Nominal current:	50mA Emitter, 150mA Receiver
Scanning range:	0,5m - 50m, 20m - 70m
	0,5m - 6m
	0,5m - 8m
Number of Beams:	1, 2, 3, 4
Operating temperature:	-30°C - +55°C
Degree of protection:	IP 67

Tested according to:

- 2006/42/EC Machinery Directive
- IEC 61508:1998 part 1,3,4 (SIL3)
- IEC 61508-2:2000 (SIL3)
- EN ISO 13849-1:2008 (Cat.4 PL e)
- EN 61496-1:2008
- IEC 61496-2:2006
- EN 55011:2007
- EN 50178:1997

Factory(ies): 70507



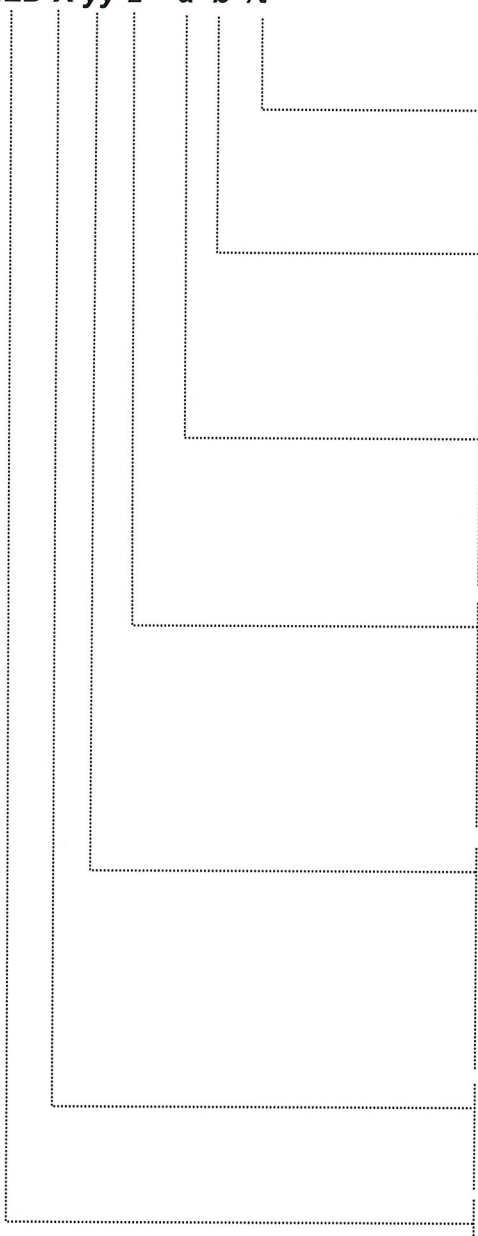
ATTACHMENT

to certificate

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Nomenclature of MLD MLD (Multiple Light Beam Safety Device)

MLD X yy-z a b /t



/t - Connection

- OSSD, M12-Connector
- A: Integrated AS-i-Interface, M12-Connector

b - Option

- L: integrated laser alignment aid
- M: integrated muting indicator
- E: connector for external muting-lamp (AS-i-Version) only

a - Number of beams

1	1 beam
2	2 beams
3	3 beams
4	4 beams

z - Type of device

T	Transmitter
R	Receiver
RT	Transceiver
XT	Transmitter with extended range
XR	Receiver with extended range
M	Deflecting mirror

yy - Function variant

00	Transmitter
10	Automatic start/restart
12	Periodic external function test
20	Start/Restart interlock / EDM
30	Start/Restart interlock / EDM / Muting
35	4-Sensor Sequential Muting

X - Type of device

- 3: MLD 300
- 5: MLD 500

MLD

Department: TR-RA/MUC
Date: 2011-01-18