



America

CERTIFICATE

No. U8 15 08 22795 116

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

Liebigstrasse 4
82256 Fürstfeldbruck
GERMANY

Production Facility(ies):

70507, 63063, 86869, 86727

Certification Mark:



C US

Product:

Electro-Sensitive Protective Equipment (Safety Light Curtain)

Model(s):

Type: MLC X yy z aa -hhhh b (see attachment for specific model information)

Parameters:

Rated Input Voltage:	24 VDC ± 20%
Rated Input Current:	50 mA (Transmitter) 150 mA (Receiver)
Protection Class:	III
Laser Class:	Class 1
Temperature, Ambient:	55°C

Tested according to:

UL 508/R:2013-10
CAN/CSA C22.2 NO. 14-13:2013-03
Supplemented by:
EN 61508-1:2010 (SIL 1 / SIL 3)
EN 61508-2:2010 (SIL 1 / SIL 3)
EN 61508-3:2010 (SIL 1 / SIL 3)
EN 61508-4:2010 (SIL 1 / SIL 3)
EN 62061/A1:2013 (SILCL 1 / SILCL3)
EN ISO 13849-1/AC:2009 (Cat. 2 / Cat. 4 PL c/ PL e)
IEC 61496-1:2012 (Type 2/Type4)
IEC 61496-2:2013 (Type 2/Type4)
The product is intended and certified for Canada and USA. Additional requirements may apply in other countries.

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC Guide 67. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.: 028-713056647-000

Date, 2015-09-04

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Nomenclature of MLC-Series

MLC X yy z aa - hhhh b

Option	
H	Host
G	Guest
MG	Middle Guest
L	L-Shape
U	U-Shape
C	Cutter
/A	AS-i Interface
Protective field height	
150...	from 150mm
...3000	to 3000mm
(in Steps of 150mm)	
Resolution	
14	14mm
20	20mm
30	30mm
40	40mm
90	90mm
Device type	
T	Transmitter
R	Receiver
Function classes	
00	Transmitter
10	Receiver PNP
18	Receiver NPN
20	Receiver PNP - EDM/RES
28	Receiver NPN - EDM/RES
30	Receiver PNP - Muting/Blanking
38	Receiver NPN - Muting/Blanking
Series	
3	MLC 300 (Type 2)
5	MLC 500 (Type 4)

Conditions of acceptability:

- Maximum pre-fuse per manual: 2A (limited voltage/limited current)
- An approved "NEC Class 2 Power Supply" must be used with the equipment or a source that complies with the requirements for a limited voltage/current circuit
- Installation and use shall be according operation instructions
- If the devices are to be installed in French spoken areas a French "Operation Instruction" shall be delivered.

Date, 2015-09-04