



CERTIFICATE

No. Z10 09 12 22795 086

Holder of Certificate: Leuze electronic GmbH + Co. KG

Liebigstrasse 4
82256 Fürstfeldbruck
GERMANY

Factory(ies): 70507

Certification Mark:



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

Model(s): COMPACT plus
Certified models see attachment

Parameters:

Power supply:	24VDC ± 20%
Rated current max.:	75mA Emitter, 170mA Receiver
Operating distance:	0m – 6m, 0m – 18m, 6m – 70m
Resolution:	14, 30, 50 and 90mm
Operating temperature:	0°C...+50°C
Protection class:	IP65

Tested according to:

- 2006/42/EC Machinery Directive
- 2006/95/EC Low Voltage Directive
- 2004/108/EC EMC Directive
- IEC 61508-1:1998 (SIL3)
- IEC 61508-2:2000 (SIL3)
- IEC 61508-3:1998 (SIL3)
- EN ISO 13849-1:2008 (Cat.4 PL e)
- DIN EN 61496-1:2009
- IEC 61496-2:2006
- EN 50178:1997

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.: 70024492

Valid until: 2014-12-29

Date, 2010-01-19 (Günter Greil)

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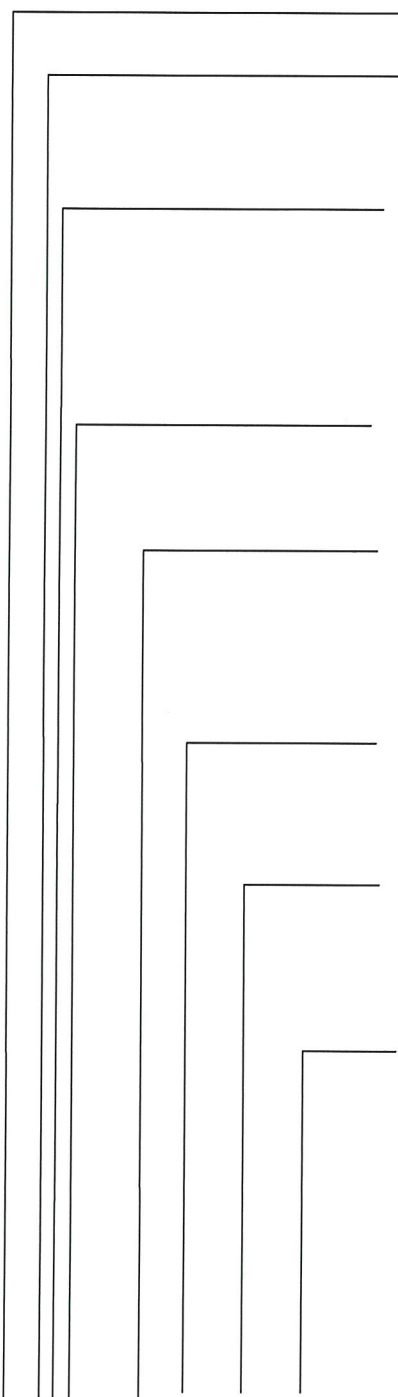




Attachment to certificate Z10 09 12 22795 086

Nomenclature of Product type

1 Compact plus Models/ Naming system (safety light curtains)



COMPACT*plus*

t - type of device

T: Transmitter

R: Receiver

rr - resolution/detection range

rr	physical resolution	detection range
14	14 mm	0 m to 6 m
30	30 mm	0 m to 18 m
50	50 mm	0 m to 18 m
90	90 mm	0 m to 18 m

o - Optics option * (alternative)

L: Integrated laser adjustment aid

K: Protective Akkalit screen

llll - protective field height ???

resolution	protective field height
14mm	150, 225, 300, ... 2100mm
30 mm	150, 225, 300, ... 3000mm
50 mm	450, ... 3000mm
90 mm	750, ... 3000mm

k - Cascading option*

H: host (master)

S: slave (guest)

p - Function package (receiver only)

s: Standard l: integrated LED indicator

b: Blanking z: special firmware

m: Muting nn: number for special parameter set

i: Initiation

cc - Machine interface:

T1: Transistor, PG screw-in connection

T2: Transistor with Hirschmann plug

T3: Transistor with MIN-series plug

T4: Transistor with M12 plug

R1: Relais output, PG screw-in connection

R2: Relais output, with Hirschmann plug

R3: Relais output, with MIN-series plug

AP: Transmitter for AS-I and PROFIBUS

A1: AS-Interface with M12 plug

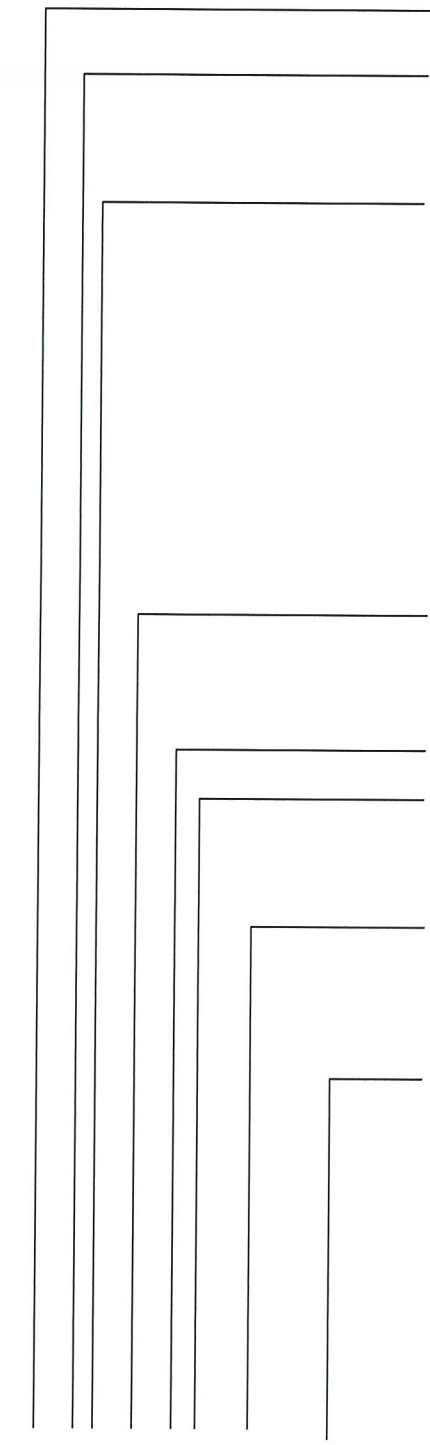
P1: Profibus-Interface with M12 plug

CPtrro-llllk-ppp/cc

*empty if option is not used



2 Compact plus Models/ Naming system (multibeam safety light grids)



COMPACT_{plus}

t - type of device

T: Transmitter

R: Receiver

RT: Transceiver

rrd - beam distance/detection range

rrd	beam distance	detection range
150	150mm	0 m to 18 m
300	300 mm	0 m to 18 m
400	400 mm	0 m to 18 m
500	500 mm	0 m to 18 m
500	500 mm	0 m to 6,5 m**
76	75 mm	6 m to 70 m
151	150mm	6 m to 70 m
301	300 mm	6 m to 70 m
401	400 mm	6 m to 70 m
501	500 mm	6 m to 70 m

o - Optics option * (alternative)

L: Integrated laser adjustment aid

K: Protective Akkalit screen

n - number of beams (2,3,4..40) (receiver / transmitter only)

k - Cascading option * (alternative)

H: host (master)

S: slave (guest)

p - Function package (receiver / transceiver only)

s: Standard l: integrated LED indicator

m: Muting z: special firmware

nn: number for special parameter set

cc - Machine interface:

T1: Transistor, PG screw-in connection

T2: Transistor with Hirschmann plug

T3: Transistor with MIN-series plug

T4: Transistor with M12 plug

R1: Relais output, PG screw-in connection

R2: Relais output, with Hirschmann plug

R3: Relais output, with MIN-series plug

AP: Transmitter for AS-I and PROFIBUS

A1: AS-Interface with M12 plug

P1: Profibus-Interface with M12 plug

CPrrrdo/nk-ppp / cc

*empty if option is not used

** transceiver only

Department:

TR-RA/MUC

Date:

2010-01-19

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