CERTIFICATE

No. U8 068636 0037 Rev. 00

Holder of Certificate: **Leuze electronic GmbH + Co.KG**
In der Braike 1
73277 Owen/Teck
GERMANY

Certification Mark:

Product: **Control units**
(Laserscanner RSL 400-Series)

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. 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.:   028-713154060-000

Date,   2019-08-02

(Martin Heinrich)

America

C E R T I F I C A T E
No. U8 068636 0037 Rev. 00

Model(s):

Type:

RSL4, followed by 1, 2, 3, 4 or 5, followed by 0, 1 or 5, followed by P, F, C, I or A, followed by -S, -M, -L or -XL

(For more information, please refer attached nomenclature)

Tested according to:

UL 508:2018
CAN/CSA-C22.2 No. 14-18:2018

Production Facility(ies):

068636

PARAMETERS:

Rated supply voltage: 24 VDC +20%-30%
Rated current: max.   1 A
Ambient Temperature: 50°C

The product was additionally evaluated according to:

EN ISO 13849-1:2008 (Cat.3 PL d)
EN 61508-1:2010 (SIL 2)
EN 61508-2:2010 (SIL 2)
EN 61508-3:2010 (SIL 2)
EN 61508-4:2010 (SIL 2)
EN 62061:2005/A1:2013 (SILCL 2)
EN 61496-1:2013
IEC 61496-3(ed.2)

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Nomenclature:

RSL4	x	y	[n]	–d
A	B	C	D	E

Position	Value	Meaning	Description
A	RSL4	Series designation	
			RSL4
B	x	Functionality	
	1		1 Safe Output, 1 Field Pair
	2		1 Safe Output, 10 Field Pairs, USB
	3		2 Safe Outputs, 10+10 Field Pairs, USB
	4		2 Safe Outputs, 100 Field Pairs, USB
	5		4 Safe Outputs, 100 Field Pairs, USB
C	y	application extentions	
	0		general applications
	1		without Bluetooth
	5		AGV, navigation
D	n	network type	[optional]
	P		PROFISafe
	F		FSOE
	C		CIP Safety
	I		IO-Link Safety
	A		AS-i 5
E	d	distance	
	S		Small 3m
	M		Medium 4.5m
	L		Large 6.25m
	XL		Extra large 8.25m

REMARK:
The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout. In many countries, instructions and equipment marking related to safety are required to be in a language that is acceptable in the country in which the equipment is to be installed.
None functional safety tests have been performed, only the electrical safety has been tested. According IEC60825-1 report with report number 028-713073239-000, dated 2015-11-24, LASER Class 1 is only given as long as LASER source is rotating.
Verification that LASER is shut off when rotation stops has been done in a separate test by Leuze, document number 6045.1.1004. The software is evaluated by TÜV SÜD RAIL (Certificate no. Z10 15 06 68636 004).

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