



America

# CERTIFICATE

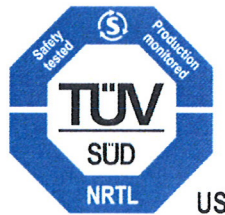
No. U8U 09 12 22795 094

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

Liebigstrasse 4  
82256 Fürstenfeldbruck  
GERMANY

**Production Facility(ies):** 22795, 63063

**Certification Mark:**



**Product:** Light curtain  
(Light Curtain)

**Model(s):** SOLID-2 (SD2-20, SD2-30, SD2-40, SD2-90),  
SOLID-4 (SD4-20, SD4-30, SD4-40, SD4-90, SD4-14), and  
SOLID-4cutter

**Parameters:**

Input Voltage, DC:	24 V
Input Current:	Model dependent
Laser Class:	I (per FDA CDRH requirements)
Enclosure Protection:	Type 1
Temperature, Ambient:	Model dependent
For further information please see attachment	

**Tested according to:** UL 508/R:2005-07

The product was voluntarily tested according to the relevant safety requirements and mentioned properties. It can be marked with the certification mark shown above. The certification mark must not be altered in any way. See also notes overleaf.

**Test report no.:** PI701383-101\_REV01

**Date,** 2009-12-31

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# Attachment to Certificate No. U8U 09 12 22795 094 for Leuze electronic GmbH + Co. KG



America

## Light Curtains

**SOLID-2** part numbers depends of the protective field.

Every part number consists of transmitter and a receiver unit.

Safety Light Curtain (Part Numbers)	Range		Physical resolution	Protective field height	
	min.	max.		min.	max.
SD2-20	0.5 m	15 m	20 mm	150 mm	1800 mm
SD2-30	0 m	8 m	30 mm	150 mm	1800 mm
SD2-40	0.8 m	20 m	40 mm	150 mm	1800 mm
SD2-90	0.8 m	20 m	90 mm	450 mm	1800 mm

**Additional Ratings:**

Input Current:	0.045 A (Transmitter), 0.140 A (Receiver)
Operating Temperature:	0°C - 50°C

**SOLID-4** part numbers depends of the protective field.

Every part number consists of transmitter and a receiver unit.

Safety Light Curtain (Part Numbers)	Detection range		Physical resolution	Height of protective field	
	min.	max.		min.	max.
SD4-14	0,0 m	6 m	14 mm	150 mm	1800 mm
SD4-20	0.7 m	14 m	20 mm	150 mm	1800 mm
SD4-30	0.5 m	9 m	30 mm	150 mm	1800 mm
SD4-40	0.9 m	20 m	40 mm	150 mm	1800 mm
SD4-90	0.9 m	20 m	90 mm	600 mm	1800 mm

**Additional Ratings:**

Input Current:	0.075 A (Transmitter), 0.110 A (Receiver)
Operating Temperature:	0°C - 55°C

**SOLID-4cutter**

Safety Light Curtain (Part Numbers)	Detection range		Physical resolution	Protective Area
	min.	max.		
SOLID-4cutter	0.5 m	4 m	20/30 mm	462 mm

**Additional Ratings:**

Input Current:	0.075 A (Transmitter), 0.110 A (Receiver)
Operating Temperature:	0°C - 55°C

**CONDITIONS OF ACCEPTABILITY:**

When installed in the end use equipment, the following are among the considerations to be made:

- 1) An approved "NEC Class 2 Power Supply" must be used with this equipment.



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