



# Certificate of Compliance

Certificate: 2892360

Master Contract: 266077

Project: 2892360

Date Issued: 2016-03-02

Issued to: **Leuze Electronic GmbH+Co.KG**  
**In der Braike 1**  
**73277 Owen/Teck**  
**GERMANY**  
Attention: Fabien Zelenda

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



Issued by: *Carsten Kuehler*

## PRODUCTS

CLASS - C872106 - LABORATORY EQUIPMENT-Electrical

CLASS - C872186 - ELECTRICAL EQUIPMENT FOR LABORATORY USE-Certified to US Standards

**Modular measuring and switching light grid system;** Switching and measuring light grids, model series CSL505, rated 18 – 30 V dc, maximum 0.23 A power consumption, for model designations:

Receiver	Transmitter	Profile length	Monitoring Height
CSL505-R05-35-M8	CSL505-T05-35-M8	120	35
CSL505-R05-75-M8	CSL505-T05-75-M8	160	75
CSL505-R05-115-M8	CSL505-T05-115-M8	200	115
CSL505-R05-155-M8	CSL505-T05-155-M8	240	155
CSL505-R05-195-M8	CSL505-T05-195-M8	280	195
CSL505-R05-235-M8	CSL505-T05-235-M8	320	235
CSL505-R05-275-M8	CSL505-T05-275-M8	360	275



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CSL505-R05-315-M8	CSL505-T05-315-M8	400	315
CSL505-R05-355-M8	CSL505-T05-355-M8	440	355
CSL505-R05-395-M8	CSL505-T05-395-M8	480	395
CSL505-R12.5-88-M8	CSL505-T12.5-88-M8	150	88
CSL505-R12.5-188-M8	CSL505-T12.5-188-M8	250	188
CSL505-R12.5-288-M8	CSL505-T12.5-288-M8	350	288
CSL505-R12.5-388-M8	CSL505-T12.5-388-M8	450	388
CSL505-R12.5-488-M8	CSL505-T12.5-488-M8	550	488
CSL505-R12.5-588-M8	CSL505-T12.5-588-M8	650	588
CSL505-R12.5-688-M8	CSL505-T12.5-688-M8	750	688
CSL505-R12.5-788-M8	CSL505-T12.5-788-M8	850	788
CSL505-R12.5-888-M8	CSL505-T12.5-888-M8	950	888
CSL505-R12.5-988-M8	CSL505-T12.5-988-M8	1050	988
CSL505-R25-175-M8	CSL505-T25-175-M8	250	175
CSL505-R25-275-M8	CSL505-T25-275-M8	350	275
CSL505-R25-375-M8	CSL505-T25-375-M8	450	375
CSL505-R25-475-M8	CSL505-T25-475-M8	550	475
CSL505-R25-575-M8	CSL505-T25-575-M8	650	575
CSL505-R25-675-M8	CSL505-T25-675-M8	750	675
CSL505-R25-775-M8	CSL505-T25-775-M8	850	775
CSL505-R25-875-M8	CSL505-T25-875-M8	950	875
CSL505-R25-975-M8	CSL505-T25-975-M8	1050	975
CSL505-R25-1075-M8	CSL505-T25-1075-M8	1150	1075
CSL505-R25-1175-M8	CSL505-T25-1175-M8	1250	1175
CSL505-R25-1275-M8	CSL505-T25-1275-M8	1350	1275
CSL505-R25-1375-M8	CSL505-T25-1375-M8	1450	1375
CSL505-R25-1475-M8	CSL505-T25-1475-M8	1550	1475
CSL505-R25-1575-M8	CSL505-T25-1575-M8	1650	1575
CSL505-R25-1675-M8	CSL505-T25-1675-M8	1750	1675
CSL505-R25-1775-M8	CSL505-T25-1775-M8	1850	1775
CSL505-R25-1875-M8	CSL505-T25-1875-M8	1950	1875
CSL505-R25-1975-M8	CSL505-T25-1975-M8	2050	1975
CSL505-R25-2175-M8	CSL505-T25-2175-M8	2250	2175
CSL505-R25-2375-M8	CSL505-T25-2375-M8	2450	2375
CSL505-R50-350-M8	CSL505-T50-350-M8	430	350
CSL505-R50-750-M8	CSL505-T50-750-M8	830	750
CSL505-R50-1150-M8	CSL505-T50-1150-M8	1230	1150
CSL505-R50-1550-M8	CSL505-T50-1550-M8	1630	1550



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CSL505-R50-1950-M8	CSL505-T50-1950-M8	2030	1950
CSL505-R50-2350-M8	CSL505-T50-2350-M8	2430	2350
CSL505-R50-2750-M8	CSL505-T50-2750-M8	2830	2750
CSL505-R50-3150-M8	CSL505-T50-3150-M8	3230	3150
CSL505-R100-700-M8	CSL505-T100-700-M8	780	700
CSL505-R100-1100-M8	CSL505-T100-1100-M8	1180	1100
CSL505-R100-1500-M8	CSL505-T100-1500-M8	1580	1500
CSL505-R100-1900-M8	CSL505-T100-1900-M8	1980	1900
CSL505-R100-2300-M8	CSL505-T100-2300-M8	2380	2300
CSL505-R100-2700-M8	CSL505-T100-2700-M8	2780	2700
CSL505-R100-3100-M8	CSL505-T100-3100-M8	3180	3100
Variant VB			
CSL505-R12.5-88-VB-M8	CSL505-T12.5-88-VB-M8	260	88
CSL505-R12.5-188-VB-M8	CSL505-T12.5-188-VB-M8	360	188
CSL505-R12.5-288-VB-M8	CSL505-T12.5-288-VB-M8	460	288
CSL505-R12.5-388-VB-M8	CSL505-T12.5-388-VB-M8	560	388
CSL505-R12.5-488-VB-M8	CSL505-T12.5-488-VB-M8	660	488
CSL505-R12.5-588-VB-M8	CSL505-T12.5-588-VB-M8	760	588
CSL505-R12.5-688-VB-M8	CSL505-T12.5-688-VB-M8	860	688
CSL505-R12.5-788-VB-M8	CSL505-T12.5-788-VB-M8	960	788
CSL505-R25-175-VB-M8	CSL505-T25-175-VB-M8	360	175
CSL505-R25-375-VB-M8	CSL505-T25-375-VB-M8	560	375
CSL505-R25-575-VB-M8	CSL505-T25-575-VB-M8	760	575
CSL505-R25-775-VB-M8	CSL505-T25-775-VB-M8	960	775
CSL505-R25-975-VB-M8	CSL505-T25-975-VB-M8	1160	975
CSL505-R25-1175-VB-M8	CSL505-T25-1175-VB-M8	1360	1175
CSL505-R25-1375-VB-M8	CSL505-T25-1375-VB-M8	1560	1375
CSL505-R25-1575-VB-M8	CSL505-T25-1575-VB-M8	1760	1575
CSL505-R25-1775-VB-M8	CSL505-T25-1775-VB-M8	1960	1775
CSL505-R25-2175-VB-M8	CSL505-T25-2175-VB-M8	2360	2175
CSL505-R25-2375-VB-M8	CSL505-T25-2375-VB-M8	2560	2375
CSL505-R50-350-VB-M8	CSL505-T50-350-VB-M8	560	350
CSL505-R50-750-VB-M8	CSL505-T50-750-VB-M8	960	750
CSL505-R50-1150-VB-M8	CSL505-T50-1150-VB-M8	1360	1150
CSL505-R50-1550-VB-M8	CSL505-T50-1550-VB-M8	1760	1550
CSL505-R50-1950-VB-M8	CSL505-T50-1950-VB-M8	2160	1950
CSL505-R50-2350-VB-M8	CSL505-T50-2350-VB-M8	2560	2350
CSL505-R50-2750-VB-M8	CSL505-T50-2750-VB-M8	2960	2750



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CSL505-R50-3150-VB-M8	CSL505-T50-3150-VB-M8	3360	3150
CSL505-R100-700-VB-M8	CSL505-T100-700-VB-M8	970	700
CSL505-R100-1100-VB-M8	CSL505-T100-1100-VB-M8	1370	1100
CSL505-R100-1500-VB-M8	CSL505-T100-1500-VB-M8	1770	1500
CSL505-R100-1900-VB-M8	CSL505-T100-1900-VB-M8	2170	1900
CSL505-R100-2300-VB-M8	CSL505-T100-2300-VB-M8	2570	2300
Notes:			
(1) All models with output of power supply below the limits of clause 6.3.1 and 9.4, pollution degree 2, overvoltage category I.			
(2) Mode of operation: Continuous.			
(3) Temperature: Various, as shown under Model differences; relative humidity: up to 90 % (non-condensing)			

**APPLICABLE REQUIREMENTS**

- CAN/CSA-C22.2 No. 61010-1-12 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
- UL 61010-1 (Third Edition) - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

**CONDITIONS OF ACCEPTABILITY**

- 1) The products are required to be only supplied by certified power supply providing reinforced or double insulation for protection against electric shock with output voltages below the limits of 6.3.1 of 61010-1 or 30 V r.m.s. and 42.4 V peak or 60 V d.c..
- 2) All devices shall be connected to a limited power source according to 61010-1, clause 9.4, by using an external fuse with the following specifications: 32 Vdc, 3 A, Fast-Acting, 50 A interrupting rating, separately certified according to ANSI/UL 248-1 and ANSI/UL 248-14.
- 3) Equipment has been tested for electrical safety only. Evaluation of functional safety and performance characteristics are not part of this certification.
- 4) If at any time there is a conflict between the system safety provisions and any relevant local (national or regional) requirements, the local requirements always take precedence.