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ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No. **7590-156**

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OVE the Austrian Electrotechnical Association as signatory to the **"Agreement on the use of a commonly agreed Mark of Conformity for certain electrical equipment complying with European Standards"** hereby grants the right to label the products mentioned hereunder and listed in the Annex with the Mark(s) shown above to the following company

Licenceholder: **Tridonic GmbH & Co KG**
Färbergasse 15
6851 Dornbirn
Austria

Product: **Electronic control gears for LED-modules**

Trade Mark: **TRIDONIC**

Series/Type: **LCU 48V ... SR**

Basis for this given right is the conformity of the products with the requirements of the relevant Standard(s) as listed in the Annex and the fulfilment of articles 8 and 9 of the ENEC-Agreement by the manufacturer. This licence refers to the tested specimen and to all products manufactured strictly identical to the submitted one.

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

Austrian Electrotechnical Association
Head of Testing & Certification

Digitally signed by W. Martin
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Dipl.-Ing. W. Martin



OVE Testing & Certification

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.en.bmwfw.gv.at/accreditation



<p><i>Hersteller</i> <i>Manufacturer</i></p>	<p>Tridonic GmbH & Co KG Färbergasse 15 6851 Dornbirn Austria</p>
<p><i>Fertigungsstätte(n)</i> <i>Factory location(s)</i></p>	<p>Tridonic GmbH & Co KG Färbergasse 15 6851 Dornbirn Austria</p>
<p><i>Typenbezeichnung</i> <i>Type reference</i></p>	<p>Series LCU 48V ... SR, see page 4/4 of Annex</p>
<p>* <i>Prüfbericht</i> <i>Test Report</i></p>	<p>TGM-VA EE 36065-1 ECS-1/ECS-2, TGM-VA EE 36065c ECS-1/ECS-2, TGM-VA EE 36900i ECS, TGM-VA EE 36900j ECS</p>
<p><i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i></p>	<p>ÖVE/ÖNORM EN 61347-1:2013-12-01 ÖVE/ÖNORM EN 61347-2-13:2015-06-01 ÖVE/ÖNORM EN 62384:2010-05-01</p>
<p><i>Europannorm(en)</i> <i>European Standard(s)</i></p>	<p>EN 61347-1:2008 + A1:2011 + A2:2013 EN 61347-2-13:2014 EN 62384:2006 + A1:2009</p>
<p>* <i>Ersatz für Zertifikat</i> <i>Superseded licence</i></p>	<p>7590-156 dated 2016 02 25 Items modified are marked with an asterisk (*)</p>
<p><i>Anmerkung(en)</i> <i>Remark(s)</i></p>	<p>WMT-procedure</p>



<i>Nennspannung</i> <i>Rated voltage</i>	AC 220-240 V, 50/60 Hz; DC 220-240 V
<i>Bemessungs-Ausgangsspannung</i> <i>Rated output voltage</i>	48 V SELV
<i>Nennleistung</i> <i>Rated power</i>	75 or 150 W
<i>Schutzklasse</i> <i>Class of protection</i>	CI.II
<i>Schutzgrad</i> <i>Degree of protection</i>	IP 20
<i>Max. Betriebstemperatur t_c</i> <i>Rated max. operating temperature t_c</i>	see page 4/4 of Annex
<i>Umgebungstemperatur t_a</i> <i>Rated ambient temperature t_a</i>	see page 4/4 of Annex
<i>Maximale Gehäusetemperatur</i> <i>Rated maximum case temperature</i>	see page 4/4 of Annex
<i>Kurzschlußschutz</i> <i>Short-circuit protection</i>	Inherently short circuit proof controlgear.
<i>Klassifikation</i> <i>Classification</i>	Independent electronic controlgears providing SELV with double or reinforced insulation, constant voltage type.

<i>Bauteil</i> <i>Component</i>	<i>Code</i>	<i>Hersteller</i> <i>Manufacturer</i>	<i>Typenbezeichnung</i> <i>Type Reference</i>	<i>Konformitätszeichen</i> <i>Mark(s) of conformity</i>
<i>Terminals X1</i>	A	Electro Terminal	PKL; 450 V; 0,5-2,5 mm², 24 A	ENEC 11
<i>Terminals X2</i>	A	Wago	235; 630 V; 0,2-2,5mm²; 17,5 A	KEMA
<i>Optocoupler U90, U91</i>	A	Everlight Electronics	EL1018; 70 V; 0,05 A; V_{iso}=5000 V_{rms}	VDE
<i>Optocoupler U130, U131</i>	A	Lite-On	LTC357T; 35 V; 0,05 A; V_{iso}=3750 V_{rms}	VDE
<i>Varistor F03</i>	A	Thinking Electronics Ind.	TVR 10471; AC 300 V; 0,40 W	VDE
<i>Varistor F130</i>	A	Thinking Electronics Ind.	TVR 10431; AC 275 V; 0,40 W	VDE
<i>Capacitor C68</i>	A	Murata	331M; Y1; 250 V; 330 pF	VDE
<i>Capacitor C02, C69</i>	A	Xiamen Faratronic	MKP63; Y2; 250 V; 3,3 nF	ENEC 14
<i>Choke L01</i>	C	Sumida	05506523; Datasheet No. 15003882_03	Checked within appliance
<i>Transformer L51</i>	C	ICT	05514938; Datasheet No. 15009240_00	Checked within appliance
* <i>Housing</i>	C	Specified Manufacturers	Polycarbonate	Checked within appliance
For types LCU 48V 75W ... SR:				
<i>Capacitor C01</i>	A	Xiamen Faratronic	MKP62; X2; 275 V; 470 nF	VDE
<i>Capacitor C03</i>	A	Xiamen Faratronic	MKP62; X2; 275 V; 10 nF	VDE
For types LCU 48V 150W ... SR:				
<i>Capacitor C01</i>	A	Xiamen Faratronic	MKP62; X2; 275 V; 680 nF	VDE
<i>Capacitor C03</i>	A	Xiamen Faratronic	MKP62; X2; 275 V; 220 nF	VDE
A	The component is replaceable with another one, also certified, with equivalent characteristics.			
B	The component is replaceable if authorised by the test house.			
C	Integrated component tested together with the appliance.			
D	Alternative component.			

TRADEMARK / TYPECODE		Rated output voltage	Rated output power	Rated max. operating temperature (tc)	Ambient temperature (ta)	Maximum case temperature	Circuit power factor (230V, 50Hz, full load)	Case
		[V]	[W]	[°C]	[°C]	[°C]	λ	Metall (M) Plastic (P)
1	LCU 48V 75W DC-STR DIM SR	48	75	70	55	110	0,99	P
2	LCU 48V 75W DC-STR FO SR	48	75	70	55	110	0,99	P
3	LCU 48V 150W DC-STR DIM SR	48	150	80	50	130	0,99	P
4	LCU 48V 150W DC-STR FO SR	48	150	80	50	130	0,99	P