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ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No. **76786-002**

Date of issue: Wien, 2014 01 13
Rev. No. 04 Wien, 2017 10 02

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: **ELKOSUN d.o.o.**
Tržaška cesta 23
2000 Maribor
Slovenia

Product: **Ballasts for discharge lamps**

Trade Mark: **ELKOSUN, ELKO, ABB**

Series/Type: **Series MI, SI, SB, SIB, SIH and IH**

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.

Österreichischer Verband für Elektrotechnik
Head of Testing & Certification

Digitally signed by W. Martin
Email=w.martin@ove.at
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.bmwf.gv.at/accreditation



<i>Hersteller Manufacturer</i>	ELKOSUN d.o.o. Tržaška cesta 23 2000 Maribor Slovenia
<i>Fertigungsstätte(n) Factory location(s)</i>	ELKOSUN d.o.o. Tržaška cesta 23 2000 Maribor Slovenia
* <i>Typenbezeichnung Type reference</i>	Series MI, SI, SB, SIB, SIH and IH, see page 5.
* <i>Prüfbericht Test Report</i>	TGM-VA EE 32083 SFT-1/-2, TGM-VA EE 32363 SFT-1/-2, TGM-VA EE 32614 SFT-1/-2, TGM-VA EE 33393 SFT-1/-2, TGM VA EE 35316 SFT-1/-2, TGM-VA EE 36182 SFT.
* <i>Nationale Bestimmung(en) National Standard(s)</i>	ÖVE/ÖNORM EN 61347-1:2012-01-01 ÖVE/ÖNORM EN 61347-2-9:2013-11-01 ÖVE/ÖNORM EN 60923:2007-06-01
* <i>Europannorm(en) European Standard(s)</i>	EN 61347-1:2008 + A1:2011 EN 61347-2-9:2013 EN 60923:2005 + A1:2006
* <i>Ersatz für Zertifikat Superseded licence</i>	76786-002 Rev. 03 dated 2015 04 08 Items modified are marked with an asterisk (*)
* <i>Anmerkung(en) Remark(s)</i>	--

* <i>Nennspannung</i> <i>Rated voltage</i>	AC 230 V 50 Hz or AC 400 V 50 Hz
* <i>Nennstrom</i> <i>Rated current</i>	see page 5.
* <i>Lampenleistung</i> <i>Power of lamp</i>	see page 5.
<i>Lampentyp(en)</i> <i>Lamp identification</i>	High-pressure discharge lamps HI, HM, HS
<i>Max. Wicklungstemperatur tw</i> <i>Max. temp. of windings tw</i>	130°C
* <i>Temperaturerhöhung</i> <i>Temperature rise</i>	see page 5.
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Built-in ballast. Ground insulation by polyesterimid layer.

<i>Bauteil</i> <i>Component</i>	<i>Code</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</i>	B	Adels-Contact	900 400V, 0,5-1,5mm²	VDE
	B	Adels-Contact	140/... 400V, 0,5-1,5mm², T85°C	VDE
*	B	Electro Terminal	VSSL 1M/ET.. ; EKL2 E.. 450V, 0,5-1,5mm², T110°C	ÖVE
	B	Metalluk Bauscher GmbH	235, 217, 218 400V, 0,5-1,5mm²	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.

No.	Type Ref.		Lamp (W)	Rated current (A)	Lamda	Δt °C	
	Trademarks ELKOSUN, ELKO	Trademark ABB				AC 230V 50Hz	AC 400V 50Hz
1	MI 530-250	-	HM 1x250 HI 1x250	2,13 2,10	0,55 0,57	75	-
2	MI 530-400	-	HM 1x400 HI 1x400	3,25 3,40	0,60 0,54	75 85	-
3	SI 530-250	GZAH700194P5515	HS 1x250 HI 1x250	3,00	0,40	80	-
4	SB 530-600	-	HS 1x600	6,2	0,47	75	-
5	SIB 530-400	-	HS 1x400 HI 1x400	4,45 4,2	0,40	75	-
6	SIB 530-250	-	HS 1x250 HI 1x250	3,0	0,39	75	-
7	SIH 530-1000	-	HS 1x1000 HI 1x1000	10,3 9,5	0,46	85 80	-
8	IH 5400-2000		HI 1x2000	10,3	0,59	-	75