

OVE Austrian Electrotechnical Association
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OVE Testing & Certification
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ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No. **76786-004**

Date of issue: Wien, 2014 11 28

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.**
Kržičeva ulica 9
1000 Ljubljana
Slovenia

Product: **Starting devices for discharges lamps**

Trade Mark: **ELKOSUN, TRIDONIC, ELEKTROKOVINA (ELKO), FEP**

Series/Type: **ZRM 20-ES/B, ZRM 20-ES/B 400**

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
Email=w.martin@ove.at

Dipl.-Ing. W. Martin



OVE Testing & Certification

Accredited by the Austrian Ministry of Economy, Family and Youth as Certification Body for products within the scope as given in the official notification and published under www.en.bmwfj.gv.at/accreditation



<i>Hersteller Manufacturer</i>	Elkosun d.o.o. Tržaška c. 23 2000 Maribor Slovenia
<i>Fertigungsstätte(n) Factory location(s)</i>	Elkosun d.o.o. Tržaška c. 23 2000 Maribor Slovenia
<i>Typenbezeichnung Type reference</i>	ZRM 20-ES/B ZRM 20-ES/B 400
<i>Prüfbericht Test Report</i>	TGM-VA EE 29045B SFT-1/SFT-2 TGM-VA EE 29045C SFT-1/SFT-2 TGM-VA EE 29045d SFT TGM-VA EE 35907 SFT
<i>Nationale Bestimmung(en) National Standard(s)</i>	ÖVE/ÖNORM EN 61347-1:2012-01-01 ÖVE/ÖNORM EN 61347-2-1+A1:2006-10-01 ÖVE/ÖNORM EN 60927:2008-06-01
<i>Europannorm(en) European Standard(s)</i>	EN 61347-1:2008 + A1:2011 EN 61347-2-1:2001 + A1:2006 EN 60927:2007
<i>Ersatz für Zertifikat Superseded licence</i>	7590-055 Rev. 01 dated 2009 02 13
<i>Anmerkung(en) Remark(s)</i>	WMT-procedure

<i>Nennspannung</i> <i>Rated voltage</i>	220-240 V, 50/60 Hz (type ZRM 20-ES/B) 380-440 V, 50/60 Hz (type ZRM 20-ES/B 400)
<i>Lampenleistung</i> <i>Power of lamp</i>	1000-2000 W (type ZRM 20-ES/B) 2000-3500 W (type ZRM 20-ES/B 400)
<i>Lampentyp(en)</i> <i>Lamp identification</i>	Hi-pressure discharge lamps, metal halide (HI)
<i>Max. Betriebstemperatur tc</i> <i>Rated max. operating temperature tc</i>	105°C
<i>Zündspannung</i> <i>Peak voltage</i>	max. 5,0 kVp
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Built-in starting devices.

<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>Housing material</i>	C	GE Plastics	LEXAN 221R (Polycarbonate)	Checked within appliance
	C	Idemitsu	Tarflon IR 1700 (Polycarbonate)	Checked within appliance
<i>Terminals</i>	B	Ensto Electric	612 AC 750V, 16mm²	FIMKO

- 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 designation	Lamp used	Rated Voltage	Rated Current	Peak Voltage
			[V]	[A]	[kV]
1	ZRM 20-ES/B	HI/MBI 1000-2000 W	220-240	20	3,5 - 5,0
2	ZRM 20-ES/B 400	HI/MBI 2000-3500 W	380-440	20	4,0 - 5,0