

CERTIFICATE

Issued to:
Applicant:
ELEQ Steenwijk b.v.
Tukseweg 130
8331 LH, Steenwijk, The Netherlands

Manufacturer/Licensee:
ELEQ Steenwijk b.v.
Tukseweg 130
8331 LH, Steenwijk, The Netherlands

Product(s) : fuse boxes for streetlighting
Trade name(s) : ELEQ, FAGET
Type(s)/model(s) : LS-100..

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60439-1:1999; HD 60269-3:2007;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900123

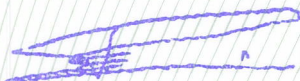
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 18 January 2011 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2103944.04

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

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ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	:	fuse boxes for streetlighting
trade name(s)	:	ELEQ, FAGET
type(s)	:	LS-100(5L8001), LS-100(5L8002), LS-100(5L8003), LS-100(5L8007), LS-100(5L8009), LS-100(5L8017), LS-100(5L8018), LS-100(5L8019), LS-100(5L8020), LS-100(5L8214), LS-100DK(5L4145), LS-100DK(5L4146), LS-100RWS(5L8010)
rated operational voltage (Ue)	:	400 Vac
rated insulation voltage (Ui)	:	500 V
rated current (In)	:	maximum 32 A: connection to armature: see data per type couple through next lamppost: see data per type
rated conditional short-circuit current (Icc)	:	6 kA
rated frequency	:	50 Hz
rated impulse voltage (Uimp)	:	6 kV
classification	:	enclosed box type assembly
condition of installation	:	for outdoor installation
degree of protection against moisture	:	IP55
degree of protection against external mechanical impacts	:	IK10
applied fuse-holder	:	see data per type.

Product data - type LS-100(5L8001)

applied fuse-holder	:	3 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 4 A
connection to next lamppost	:	max 28 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable
connection between PE-Neutral provided with automatic PE connection	:	yes, including PE lidz wire yes
provided with Neutral disconnecter	:	no
possibility to change phases	:	no
terminals	:	5 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	:	total insulation

Product data - type LS-100(5L8002)

applied fuse-holder	:	3 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 4 A
connection to next lamppost	:	max. 28 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable and additionally cable gland M20 on top of fuse-box
connection between PE-Neutral provided with automatic PE connection	:	yes
provided with Neutral disconnecter	:	no
possibility to change phases	:	no
terminals	:	5 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	:	total insulation

Product data - type LS-100(5L8003)

applied fuse-holder	:	3 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 4 A
connection to next lamppost	:	max 28 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable and additionally cable gland M20 on top of fuse box.
connection between PE-Neutral provided with automatic PE connection	:	yes, including PE lidz wire
provided with Neutral disconnecter	:	no
possibility to change phase	:	no
terminals	:	5 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	:	total insulation

Product data - type LS-100(5L8007)

applied fuse-holder	:	3 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 4 A
connection to next lamppost	:	max. 28 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable and additionally cable gland M20 on top of fuse box.
connection between PE-Neutral provided with automatic PE connection	:	yes
provided with Neutral disconnecter	:	no
possibility to change phase	:	no
terminals	:	5 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	:	total insulation

Product data - type LS-100(5L8009)

applied fuse-holder	:	3 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 4 A
connection to next lamppost	:	max. 28 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable and additionally 2 cable glands M20 on top of fuse box.
connection between PE-Neutral provided with automatic PE connection	:	yes
provided with Neutral disconnecter	:	no
possibility to change phase terminals	:	no
protection against electric shock	:	5 mantle terminals for connection of 2 x 16 mm ² total insulation

Product data - type LS-100(5L8017)

applied fuse-holder	:	2 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 6 A
connection to next lamppost	:	max 26 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable and mounting cap
connection between PE-Neutral provided with automatic PE connection	:	no
provided with Neutral disconnecter	:	no
possibility to change phase terminals	:	no
protection against electric shock	:	5 mantle terminals for connection of 2 x 16 mm ² total insulation

Product data - type LS-100(5L8018)

applied fuse-holder	:	3 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 6 A
connection to next lamppost	:	max 26 A
provision for cable entry	:	- 2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable - mounting cap for pipes
connection between PE-Neutral provided with automatic PE connection	:	no
provided with Neutral disconnecter	:	no
possibility to change phases terminals	:	no
protection against electric shock	:	5 mantle terminals for connection of 2 x 16 mm ² total insulation

Product data - type LS-100(5L8019)

applied fuse-holder	:	3 x fuse-holders, according part F of IEC60269-2 for cylindrical fuse-links
connection to armature	:	max. 6 A
connection to next lamppost	:	max 26 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable
connection between PE-Neutral	:	no
provided with automatic PE connection	:	no
provided with Neutral disconnecter	:	no
possibility to change phase terminals	:	no
terminals	:	5 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	:	total insulation

Product data - type LS-100(5L8020)

applied fuse-holder	:	2 x DII
connection to armature	:	max. 6 A
connection to next lamppost	:	max. 26 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 3 cable entries for armature cable
connection between PE-Neutral	:	no
provided with automatic PE connection	:	no
provided with Neutral disconnecter	:	no
possibility to change phase terminals	:	no
terminals	:	5 mantle terminals for connection of 2 x 16 mm ² or 3 x 10 mm ²
protection against electric shock	:	total insulation

Product data - type LS-100(5L8214)

applied fuse-holder	:	2 x D01, max 6 A
connection to armature	:	max. 6 a
connection to next lamppost	:	max. 26 A
provision for cable entry	:	2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable
connection between PE-Neutral	:	yes
provided with automatic PE connection	:	no
provided with Neutral disconnecter	:	no
possibility to change phase terminals	:	no
terminals	:	5 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	:	total insulation

Product data - type LS-100DK(5L4145)

applied fuse-holder	: 2 x D01, max 6 A
connection to armature	: max. 6 A
connection to next lamppost	: max. 26 A
provision for cable entry	: 2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable
connection between PE-Neutral	: no
provided with automatic PE	: no
connection	
provided with Neutral disconnecter	: no
possibility to change phase	: no
terminals	: 4 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	: total insulation

Product data - type LS-100DK(5L4146)

applied fuse-holder	: 2 x D01, max 6 A
connection to armature	: max. 6 A
connection to next lamppost	: max. 26 A
provision for cable entry	: 2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable
connection between PE-Neutral	: no
provided with automatic PE	: no
connection	
provided with Neutral disconnecter	: no
possibility to change phase	: no
terminals	: 4 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	: total insulation

Product data - type LS-100RWS(5L8010)

applied fuse-holder	: 3 x fuse-holders, according part F of IEC60269-2 for cilindrical fuse-links, max. 4 A
connection to armature	: max. 4 A
connection to next lamppost	: max 28 A
provision for cable entry	: 2 cable entries for groundcable 23 mm diameter and 2 cable entries for armature cable
connection between PE-Neutral	: no
provided with automatic PE	: no
connection	
provided with Neutral disconnecter	: no
possibility to change phases	: no
terminals	: 5 mantle terminals for connection of 2 x 16 mm ²
protection against electric shock	: total insulation

TESTS**Test requirements**

EN 60439-1:1999
A1/C1:2004
HD 60269-3:2007

Test result

The test results are laid down in KEMA test file 2103944.04.

Remarks

This certificate replaces certificate 2018531.01 and certificate 2103944.04 dated March 5, 2008.

Conclusion

The examination proved that all test requirements were met.

Tested by : M.T.H. van Gemen

Checked by : H.L. Schendstok

A handwritten signature in blue ink, appearing to be 'M.T.H. van Gemen', written over a large, horizontal, oval-shaped scribble or stamp.**Factory locations**

ELEQ Steenwijk b.v.
Tukseweg 130, 8331 LH, Steenwijk
The Netherlands

List of components

Component	trade name	type/model	approval mark ¹⁾
fuse-holder	Socomec	55010018 (10,3 x 38 mm)	KEMA-KEUR
¹⁾ * indicates a component tested as part of the appliance			