



LVSG00SE

**NH Fuse-Switch vertical design LV size 00 185mm 1pole M8**

**Technical Features**

**Electric current**

Rated current	160 A
Rated conditional short-circuit current I <sub>cc</sub>	120 kA
Rated conditional short-circuit current for U <sub>e</sub> =400 V IEC 61439-1 3.8.10.4	120 kA
Acceptable current rating AC23 category B / 400V	160 A
Acceptable current rating AC22 category B / 500V	160 A
Acceptable current rating AC21 category B / 800V	63 A
Acceptable current rating AC22 category B / 690V	160 A
Rated current for U <sub>e</sub> =400 V AC according to IEC 61439-1 5.3.2	160 A
Rated current for U <sub>e</sub> =690 V AC according to IEC 61439-1 5.3.2	160 A
Rated current for U <sub>e</sub> =800 V AC according to IEC 61439-1 5.3.2	63 A
Rated conditional short-circuit current for U <sub>e</sub> =690 V IEC 61439-1 3.8.10.4	100 kA
Rated current of fuse cartridge	2 A 4 A 6 A 10 A 16 A 20 A 25 A 32 A 35 A 40 A 50 A 63 A 80 A 100 A 125 A 160 A

**Fuse**

Fuse size	NH00
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**Connectivity**

Type of connection	Screw terminal
Mounting type	Screw mounting

**Connection**

Connector/plug type	M8 terminal
Type of terminal cover	Standard terminal cover

**Architecture**

Number of poles	3
Number of switchable poles	1

**Use conditions**

Operating temperature	-25 - 55 °C
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**Installation, mounting**

Nominal tightening torque	14 - 14 Nm
Tightening torque for mounting on busbar	14 - 14 Nm

**Endurance**

Electric endurance in number of cycles	200
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**Safety**

Ingress Protection (IP) class	IP2X
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**Endurance**

Number of mechanical operations	1400
Total service life (mechanical and electrical endurance) IEC 60947-3 Table 4	1600

**Electric current**

Rated short-time withstand current I <sub>cw</sub> 1s IEC 60947	5 kA
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**Voltage**

Rated insulation voltage $U_i$	1000 V
Rated impulse withstand voltage $U_{imp}$	8 kV
Rated operational voltage $U_e$	690 - 690 V

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**Dimensions**

Dimensions	671 x 50 mm
Distance busbars	185 mm
Height	671 mm
Depth	123 mm

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**Power**

Total power loss under IN	22 W
Power loss of the Fuse-Link installed in device	12 W
Power loss at full load	58 W

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**Frequency**

Frequency	50 - 60 Hz
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**Electrical protection**

With fault indicator	No
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**Functions**

Double interrupting	No
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**Materials**

Contains recycled material (% of total plastic weight)	0 %
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**Sustainability**

Halogen free	Yes
REACH-SVHC free	Yes
RoHS conform	Yes