



LVSG3CPZ

**NH Fuse-switch vertical design LV size 3 185mm 3pole M12**

**Technical Features**

**Electric current**

Rated current	630 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	630 A
Acceptable current rating AC22 category B / 500V	630 A
Acceptable current rating AC21 category B / 690V	630 A
Acceptable current rating AC21 category B / 800V	400 A
Rated current for U <sub>e</sub> =400 V AC according to IEC 61439-1 5.3.2	630 A
Rated current for U <sub>e</sub> =690 V AC according to IEC 61439-1 5.3.2	630 A
Rated current for U <sub>e</sub> =800 V AC according to IEC 61439-1 5.3.2	400 A
Rated conditional short-circuit current for U <sub>e</sub> =690 V IEC 61439-1 3.8.10.4	100 kA
Rated short-time withstand current I <sub>cw</sub> 1s with locking system IEC60947	25 kA
Rated current of fuse cartridge	50 A
	63 A
	80 A
	100 A
	125 A
	160 A
	200 A
	224 A
	250 A
	315 A
	335 A
	400 A
	500 A
	630 A

**Fuse**

Fuse size	NH3
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**Connectivity**

Type of connection	Screw terminal
Mounting type	Screw mounting

**Connection**

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

**Architecture**

Number of poles	3
Number of switchable poles	3

**Use conditions**

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

Nominal tightening torque	32 - 32 Nm
Tightening torque for mounting on busbar	32 - 32 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	800
Total service life (mechanical and electrical endurance) IEC 60947-3 Table 4	1000

**Electric current**

Rated short-time withstand current I <sub>cw</sub> 1s IEC 60947	15 kA
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**Voltage**

Rated insulation voltage $U_i$	1000 V
Rated impulse withstand voltage $U_{imp}$	12 kV
Rated operational voltage $U_e$	690 - 690 V

**Dimensions**

Dimensions	671 x 100 mm
Distance busbars	185 mm
Height	671 mm
Depth	190 mm

**Power**

Total power loss under IN	111 W
Power loss of the Fuse-Link installed in device	48 W
Power loss at full load	255 W

**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**

REACH-SVHC free	Yes
RoHS conform	Yes

**Illustrations | Drawings**

