



LVS00100SP

NH-Fuse switch vertical design LV NH00 100mm 3pole M8

Technical Features

Electric current

Rated current	160 A
Rated conditional short-circuit current I_{cc}	100 kA
Rated conditional short-circuit current for $U_e=400$ V IEC 61439-1 3.8.10.4	100 kA
Acceptable current rating AC23 category B / 400V	160 A
Acceptable current rating AC22 category B / 500V	160 A
Acceptable current rating AC22 category B / 690V	160 A
Rated current for $U_e=400$ V AC according to IEC 61439-1 5.3.2	160 A
Rated current for $U_e=690$ V AC according to IEC 61439-1 5.3.2	160 A
Rated conditional short-circuit current for $U_e=690$ 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	Hang on Screw mounting

Connection

Connector/plug type	M8 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	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_{cw} 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

Dimensions

Dimensions	401 x 50 mm
Distance busbars	100 mm
Height	401 mm
Depth	123 mm

Power

Total power loss under IN	20 W
Power loss of the Fuse-Link installed in device	12 W
Power loss at full load	56 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

Halogen free	Yes
REACH-SVHC free	Yes
RoHS conform	Yes