



LVSG3CE

NH Fuse-switch vertical design LV size 3 185mm 1pole M12

Technical Features

Electric current

Rated current	630 A
Rated conditional short-circuit current I _{cc}	120 kA
Rated conditional short-circuit current for U _e =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	400 A
Acceptable current rating AC21 category B / 800V	630 A
Rated current for U _e =400 V AC according to IEC 61439-1 5.3.2	630 A
Rated current for U _e =690 V AC according to IEC 61439-1 5.3.2	630 A
Rated current for U _e =800 V AC according to IEC 61439-1 5.3.2	400 A
Rated conditional short-circuit current for U _e =690 V IEC 61439-1 3.8.10.4	100 kA
Rated short-time withstand current I _{cw} 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 connection
Mounting type	Screw mounting

Connection

Connector/plug type	M12 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	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 _{cw} 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