



LVS0060SP

**NH Fuse-Switch vertical design LV size 00 60mm 3pole M8**

**Technical properties**

**Architecture**

Number of poles	3 P
Type of pole	3 P

**Configuration**

Distance between rail centre, 40 mm	No
Distance between rail centre, 50 mm	No
Distance between rail centre, 60 mm	Yes
Distance between rail centre, 100 mm	No
Distance between rail centre, 185 mm	No

**Main electrical features**

Rated operational voltage Ue	690 V
Frequency	50/60 Hz

**Voltage**

Rated insulation voltage	1000 V
Rated impulse withstand voltage	8 kV

**Electric current**

Cut off current	100 kA
Rated current for Ue=400V AC according to IEC 61439-1 5.3.2	160 A
Rated current for Ue=500V AC according to IEC 61439-1 5.3.2	160 A
Rated current for Ue=690V AC according to IEC 61439-1 5.3.2	160 A
Rated current	160 A
Rated short-time withstand current 1s	5 kA
Rated conditional short-circuit current for Ue=400V IEC 61439-1 3.8.10.4	100 kA
Rated conditional short-circuit current for Ue=690V IEC 61439-1 3.8.10.4	100 kA
Fuse-links test rated cond. short-circuit current Ue=400V IEC 61439-1 3.8.10.4	160 A
Fuse-links test rated cond. short-circuit current Ue=500V IEC 61439-1 3.8.10.4	160 A
Fuse-links test rated cond. short-circuit current Ue=690V IEC 61439-1 3.8.10.4	160 A
Conventional free air thermal current with Trennmesser and std. cross section	220 A
Conv. free air therm.current w/fuse-links and std.cross sect. IEC60947-1 4.3.2.1	160 A

Rated conditional short-circuit current for  
Ue=500V IEC 61439-1 3.8.10.4

100 kA

### Electric current / temperature

Rating current 40°C	160 A
Rating current 45°C	152 A
Rating current 50°C	144 A
Rating current 55°C	136 A
Rating current 60°C	128 A
Rating current 65°C	120 A
Rating current 70°C	112 A

### Fuse

Fuse Size	NH00
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### Dimensions

Depth of installed product	123 mm
Height of installed product	401 mm
Length	401 mm
Width of installed product	50 mm
Busbar distance	60 mm

### Power

Total power loss under IN	20 W
Loss power at full load	56 W
Maximum Power loss of the Fuse-Link installed in device	12 W
Dissipated energy in cable	36.46 W

### Endurance

Electric endurance in number of cycles	200
Number of mechanical operations	1400
Total service life (mechanical and electrical endurance) IEC 60947-3 Table 4	1600

### Materials

Copper weight of the product	734 kg
Silver weight of the product	1.07 kg

### Installation, mounting

Tightening torque	14Nm
Torque at mounting on busbar	6 Nm

### Connection

Connection cross-sect. flexible conductor	4 - 95mm <sup>2</sup>
Connection cross-sect. rigid cable	4 / 95mm <sup>2</sup>
Type of connection	screw

### Standards

Rated duties according to IEC 60947-1 4.3.4	Continuous operation
Operation of switching devices according to IEC 60947-1 2.4	depending manual operation (of a mechanical switching device)

Subject to technical modifications

Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5	AC-23B
Utilisation category for Ue=500V AC according to IEC 60947-3 Table 5	AC-22B
Utilisation category for Ue=690V AC according to IEC 60947-3 Table 5	AC-22B
Standard cross section according to IEC 60947-1 Tables 9 and 10	70 mm <sup>2</sup>

#### **Safety**

REACH conform	Yes
RoHS conform	Yes

#### **Use conditions**

Operating temperature	-25...55 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Storage/transport temperature	-40...70 °C