



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 |
|-----------|------|

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 |
| Material | Plastic/metal |

Installation, mounting

| | |
|------------------------------|------|
| Tightening torque | 14Nm |
| Torque at mounting on busbar | 6 Nm |

Connection

| | |
|---|-----------------------|
| Connection cross-sect. flexible conductor | 4 - 95mm ² |
| Connection cross-sect. rigid cable | 4 / 95mm ² |
| 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) |
| 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 |
| European directive WEEE | concerned |
| Standard cross section according to IEC 60947-1 Tables 9 and 10 | 70 mm ² |

Safety

| | |
|---------------------|------|
| Protection index IP | IP2X |
| 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 |