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## SV 3431.000

# NH fuse-switch-disconnectors, size 000

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SV 3431.000 - NH fuse-switch-disconnectors, size 000 for mounting plate assembly

## Features

Model No.	SV 3431.000
Design	For mounting plate assembly
Material	Fibreglass-reinforced polyamide Fire protection corresponding to UL 94 Contact tracks: Silver-plated hard copper
Colour	Chassis: RAL 9011 Cover: RAL 7035
Clamping area for laminated copper bars	Clamping area width: 10 mm Clamping area height: 10 mm
for mounting plate assembly	Yes
Cable outlet	Top/bottom
Type of electrical connection	Box terminal
Rated operating current max.	100 A
Rated operating voltage	690 V, 3~
For NH size	000
Test specification	IEC/DIN EN 60 947-3 DIN EN 60 269-2 (fuse inserts)
Dimensions	Width: 89 mm Height: 141.5 mm
Connection of round conductors	1.5 - 50 mm <sup>2</sup>
Number of poles	3-pole
Round conductor cross-section	1.5 - 50 mm <sup>2</sup>
Packs of	1 pc(s).
Net weight	0.401 kg

# Features

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Gross weight	0.453 kg
Copper weight (kg per piece)	0.15
Customs tariff number	85369095
ETIM 9	EC000249
ETIM 8	EC001040
ECLASS 8.0	27371401
Product description	SV NH fuse-switch disconnecter, size 000, 100 A, 690 V, 3-pole, box terminal, for mounting plate assembly

# Approvals

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Approvals	CQC-CCC
Explanations	Declaration of conformity Declaration of conformity UK

# Tender text

NH fuse-switch-disconnector

for mounting plate assembly

Monitoring of lid position is possible.

Type: size 000

Rated operating current: 100 A

160 A for 95 mm<sup>2</sup>

Connection cross section

95 mm<sup>2</sup> connection piece available on request

Rated operating voltage: 690 V AC

Rated insulation voltage: 690 V AC

Rated surge voltage resistance: 4 kV

Insulation group to VDE 0110: C

Conditional rated short-circuit current

when protected with fuses: 80 kA for fuses 100 A

20 kA for fuses 160 A

Rated making capacity with fuse: =/1 of

fuse inserts to VDE 0636 part 21

Rated breaking capacity to

VDE 0660 part 107/IEC 60 947-3: AC 22B for 400 V~

Mechanical life: > 1000 (switching cycles)

Permissible ambient temperature: - 25 °C to +55 °C

Fire protection corresponding to UL 94-V0

P<sub>vmax.</sub>/fuse insert: 7.5 W

Cable outlet: top / bottom

Type of connection:

Terminal up to 50 mm<sup>2</sup>

Tightening torque

Terminal screw: 3 Nm

without fuse monitoring

Material

Isolator lid: fibreglass-reinforced polyamide

Contact hazard protection:

fibreglass-reinforced polyamide

Isolator chassis: fibreglass-reinforced polyamide

Contact tracks: silver-plated hard copper