

# Rittal – The System.

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## SV 3431.000

## NH fuse-switch-disconnectors, size 000

State: 17/5/2024 (Source: [rittal.com/in-en](http://rittal.com/in-en))

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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  |
| Material                                      | Fibreglass-reinforced polyamide<br>Fire protection corresponding to UL 94<br>Contact tracks: Silver-plated hard copper |
| Colour  | Chassis: RAL 9011<br>Cover: RAL 7035   |
| Clamping area for laminated copper bars       | Clamping area width: 10 mm<br>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  |
| For NH size                                   | 000  |
| Test specification                            | IEC/DIN EN 60 947-3<br>DIN EN 60 269-2 (fuse inserts)  |
| Dimensions                                    | Width: 89 mm<br>Height: 141.5 mm   |
| Connection for round conductor cross-sections | 1.5 - 50 mm <sup>2</sup>   |
| Rated operating voltage                       | 690 V, 3~  |
| Number of poles                               | 3-pole   |
| Packs of                                      | 1 pc(s).   |
| Weight/pack                                   | 0.451 kg   |
| Copper weight (kg per piece)                  | 0.15   |

# Features

|                       |               |
|-----------------------|---------------|
| Customs tariff number | 85369095      |
| EAN                   | 4028177042391 |
| ETIM 7.0              | EC001040      |
| ECLASS 8.0            | 27371401      |

# Approvals

|              |   |
|--------------|---|
| Approvals    | CQC-CCC   |
| Explanations | Declaration of conformity<br>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