



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00,  
160A 60MM BUSBAR SYSTEM COVER LEVEL 32/70 MM  
BOX TERMINAL

Similar to image

## General technical details:

|                                       |    |                                                             |
|---------------------------------------|----|-------------------------------------------------------------|
| Type from device                      |    | Zum Aufschnappen auf Sammelschienensystem Siemens 8US 60 mm |
| mounting position                     |    | waagrecht oder senkrecht                                    |
| Width                                 | mm | 105.8                                                       |
| Height                                | mm | 210.4                                                       |
| Depth                                 | mm | 137.5                                                       |
| Center line spacing                   | mm | 60                                                          |
| Busbar design                         |    | Sammelschienendicke 5 oder 10 mm                            |
| Continuous current                    |    |                                                             |
| • at 40 °C / rated value              | A  | 155                                                         |
| • at 45 °C / rated value              | A  | 145                                                         |
| • at 50 °C / rated value              | A  | 140                                                         |
| • at 55 °C / rated value              | A  | 133                                                         |
| Operational current                   |    |                                                             |
| • at AC-21 B                          |    |                                                             |
| • at 400 V / rated value              | A  | 160                                                         |
| • at 500 V / rated value              | A  | 160                                                         |
| • at 690 V / rated value              | A  | 160                                                         |
| • at AC-22 B / at 400 V / rated value | A  | 160                                                         |

|                                                                        |     |       |
|------------------------------------------------------------------------|-----|-------|
| <b>Rated current I<sub>e</sub> / maximum / in utilization category</b> |     |       |
| • AC-22 B                                                              |     |       |
| • at 500 V                                                             | A   | 160   |
| • at 690 V                                                             | A   | 125   |
| • AC-23 B                                                              |     |       |
| • at 400 V                                                             | A   | 160   |
| • at 500 V                                                             | A   | 63    |
| • at 690 V                                                             | A   | 35    |
| • Capacitor                                                            |     |       |
| • at 400 V                                                             | A   | 72    |
| • at 500 V                                                             | A   | 55    |
| <b>Operational current</b>                                             |     |       |
| • at DC-21 B                                                           |     |       |
| • at 240 V / rated value / maximum                                     | A   | 160   |
| • at 440 V / rated value / maximum                                     | A   | 160   |
| • at DC-22 B                                                           |     |       |
| • at 240 V / rated value / maximum                                     | A   | 160   |
| • at 440 V / rated value / maximum                                     | A   | 125   |
| • at DC-23 B                                                           |     |       |
| • at 240 V / rated value / maximum                                     | A   | 100   |
| • at 440 V / rated value / maximum                                     | A   | 63    |
| <b>Conditional short-circuit current (I<sub>q</sub>)</b>               |     |       |
| • at 500 V / with AC / with speedy activation / rated value            | kA  | 80    |
| • at 690 V / with AC / with speedy activation / rated value            | kA  | 80    |
| • with closed switch                                                   |     |       |
| • at 500 V / with AC / rated value                                     | kA  | 120   |
| • at 690 V / with AC / rated value                                     | kA  | 120   |
| <b>Operating voltage / for DC / rated value</b>                        | V   | 440   |
| <b>Insulation voltage / rated value</b>                                | V   | 690   |
| <b>Impulse voltage resistance / rated value</b>                        | kV  | 8     |
| <b>Tension d'emploi</b>                                                |     |       |
| • sous AC                                                              |     |       |
| • rated value                                                          | / V | 690   |
| • for DC                                                               |     |       |
| • rated value                                                          | / V | 440   |
| <b>Power factor</b>                                                    |     |       |
| • at AC-21 B                                                           |     | 0.95  |
| • at AC-22 B                                                           |     | 0.65  |
| • at AC-23 B                                                           |     | 0.45  |
| • with capacitive load                                                 |     | -0.25 |

|                                                                                         |                    |               |
|-----------------------------------------------------------------------------------------|--------------------|---------------|
| <b>I<sup>2</sup>t value / with closed switch / maximum permissible</b>                  | kA <sup>2</sup> ·s | 158           |
| <b>Let-through current</b>                                                              |                    |               |
| • with speedy activation / maximum permissible                                          | kA                 | 15            |
| • with closed switch / maximum permissible                                              | kA                 | 23            |
| <b>Design of the load switch / Strip form</b>                                           |                    | No            |
| <b>Fuse system</b>                                                                      |                    | LV HRC fuse   |
| <b>Installation size of fuse-link</b>                                                   |                    | NH000, NH00   |
| <b>Installation size of disconnecting link</b>                                          |                    | 00 and 000    |
| <b>Active power loss / maximum</b>                                                      | W                  | 12            |
| <b>Product expansion / optional / fuse monitoring</b>                                   |                    | Yes           |
| <b>Product component / phase failure monitoring</b>                                     |                    | No            |
| <b>Product extension / optional</b>                                                     |                    |               |
| • phase failure monitoring                                                              |                    | Yes           |
| • voltage trigger                                                                       |                    | No            |
| • overvoltage protection monitoring                                                     |                    | Yes           |
| • locking capability                                                                    |                    | Yes           |
| <b>Product component</b>                                                                |                    |               |
| • undervoltage release mechanism                                                        |                    | No            |
| • undervoltage release with leading contact                                             |                    | No            |
| <b>Product function / overvoltage protection monitoring</b>                             |                    | No            |
| <b>Product feature / sealable</b>                                                       |                    | Yes           |
| <b>Type of the driving mechanism / motor drive</b>                                      |                    | No            |
| <b>Design of the electrical connection / for main current circuit</b>                   |                    | box terminals |
| <b>Arrangement of electrical connectors / for main current circuit</b>                  |                    | sonstige      |
| <b>Conductor cross-section that can be connected / for main contacts</b>                |                    |               |
| • solid                                                                                 | mm <sup>2</sup>    | 6 ... 70      |
| • stranded                                                                              | mm <sup>2</sup>    | 6 ... 70      |
| • stranded wire                                                                         |                    |               |
| • with conductor end processing                                                         | mm <sup>2</sup>    | 6 ... 50      |
| <b>Type of connectable conductor cross-sections / of laminated conductors / maximum</b> |                    | 9 x 8 mm      |
| <b>Tightening torque</b>                                                                |                    |               |
| • with screw-type terminals                                                             | N·m                | 10 ... 10     |
| <b>Product extension / auxiliary switch</b>                                             |                    | Yes           |
| <b>Number of NC contacts / for auxiliary contacts</b>                                   |                    | 0             |
| <b>Number of NO contacts / for auxiliary contacts</b>                                   |                    | 0             |
| <b>Number of change-over switches / for auxiliary contacts</b>                          |                    | 0             |
| <b>Acceptability for application</b>                                                    |                    |               |
| • switch disconnecter                                                                   |                    | Yes           |
| • emergency stop switch                                                                 |                    | No            |

|                                                                |    |                 |
|----------------------------------------------------------------|----|-----------------|
| • main switch                                                  |    | No              |
| • safety cut-out switch                                        |    | Yes             |
| • maintenance/repair switch                                    |    | Yes             |
| <b>Type of mounting</b>                                        |    | busbar mounting |
| • Rail installation                                            |    | Yes             |
| • front mounting                                               |    | No              |
| • floor mounting                                               |    | No              |
| <b>Largeur</b>                                                 |    |                 |
| • du jeu de barres                                             | mm | 12 ... 30       |
| <b>IP degree of protection</b>                                 |    |                 |
| • open                                                         |    | IP20            |
| • with closed switch                                           |    |                 |
| • without cover or cable lug cover                             |    | IP30            |
| • with cover or cable lug cover                                |    | IP40            |
| <b>Degree of pollution</b>                                     |    | 3               |
| <b>Mechanical operating cycles as operating time / typical</b> |    | 2,000           |
| <b>Item designation / according to DIN EN 61346-2</b>          |    | Q               |

#### Ambient conditions:

##### Ambient temperature

|                    |    |             |
|--------------------|----|-------------|
| • during operating | °C | -25 ... +55 |
| • during storage   | °C | -50 ... +80 |

#### Certificates/approvals:

##### General Product Approval

**CB**

CB



CCC



GOST



UL



EG-Konf.

##### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

##### Shipping Approval



DNV



GL



LRS

#### Further information:

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

##### Industry Mall (Online ordering system)

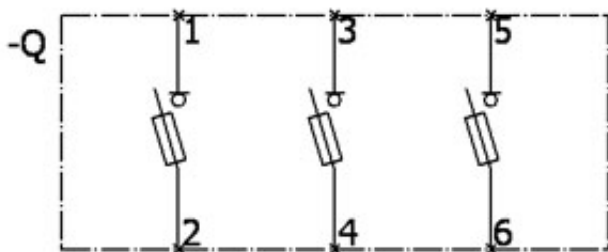
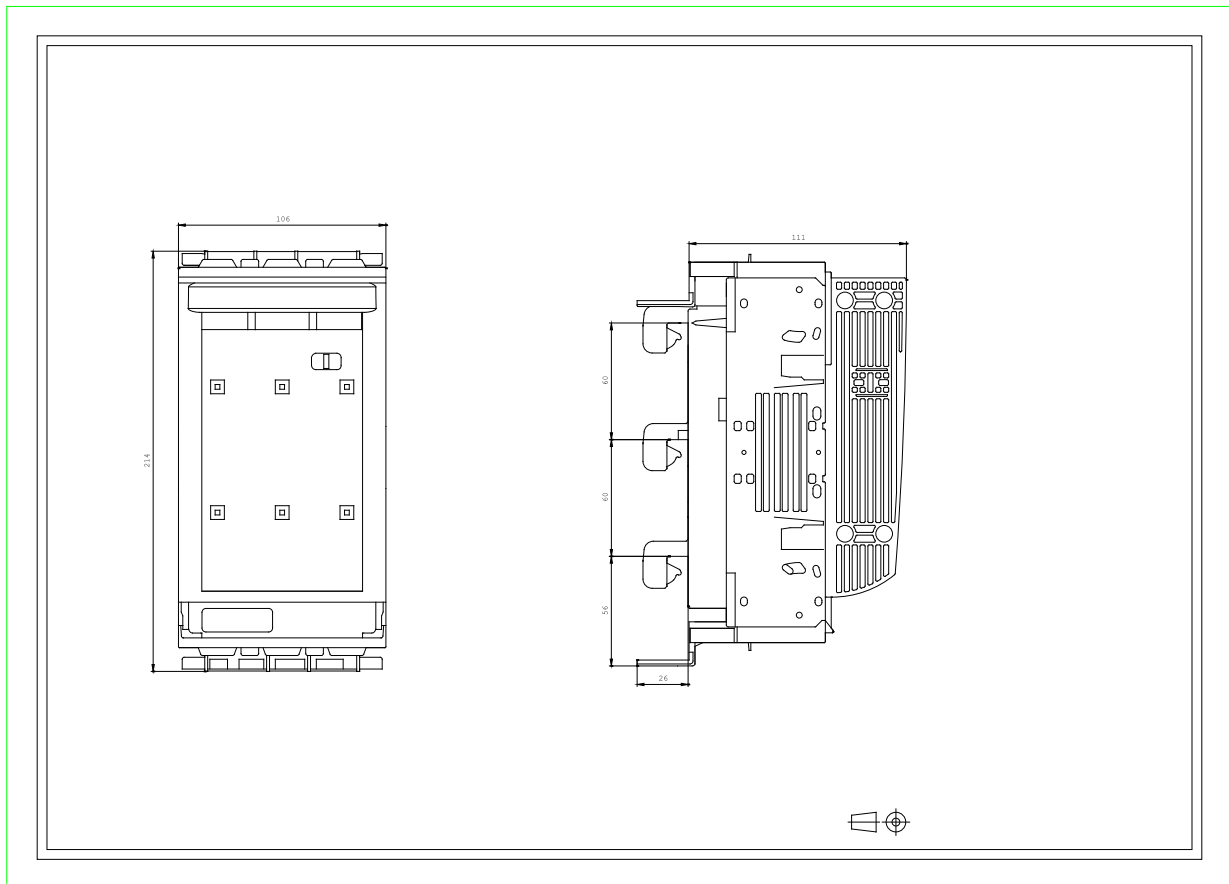
<http://www.siemens.com/lowvoltage/mall>

##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3NP1133-1BC20/all>

##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP1133-1BC20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1133-1BC20)



last change:

Nov 2, 2012