



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH2,  
400A 60MM BUSBAR SYSTEM COVER LEVEL 32/70 MM  
FLAT CONNECTOR FUSE MONITORING  
ELECTROMECHANICAL

Similar to image

## General technical details:

|                                       |    |                                                             |
|---------------------------------------|----|-------------------------------------------------------------|
| Type from device                      |    | Zum Aufschnappen auf Sammelschienensystem Siemens 8US 60 mm |
| mounting position                     |    | waagrecht oder senkrecht                                    |
| Width                                 | mm | 209.4                                                       |
| Height                                | mm | 306                                                         |
| Depth                                 | mm | 234                                                         |
| Center line spacing                   | mm | 60                                                          |
| Busbar design                         |    | Sammelschienenendicke 5 oder 10 mm                          |
| Continuous current                    |    |                                                             |
| • at 40 °C / rated value              | A  | 400                                                         |
| • at 45 °C / rated value              | A  | 392                                                         |
| • at 50 °C / rated value              | A  | 372                                                         |
| • at 55 °C / rated value              | A  | 356                                                         |
| Operational current                   |    |                                                             |
| • at AC-21 B                          |    |                                                             |
| • at 400 V / rated value              | A  | 400                                                         |
| • at 500 V / rated value              | A  | 400                                                         |
| • at 690 V / rated value              | A  | 400                                                         |
| • at AC-22 B / at 400 V / rated value | A  | 400                                                         |

|                                                                        |    |            |
|------------------------------------------------------------------------|----|------------|
| <b>Rated current I<sub>e</sub> / maximum / in utilization category</b> |    |            |
| • AC-22 B                                                              |    |            |
| • at 500 V                                                             | A  | 400        |
| • at 690 V                                                             | A  | 400        |
| • AC-23 B                                                              |    |            |
| • at 400 V                                                             | A  | 400        |
| • at 500 V                                                             | A  | 315        |
| • at 690 V                                                             | A  | 125        |
| • 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  | 400        |
| • at 440 V / rated value / maximum                                     | A  | 400        |
| • at DC-22 B                                                           |    |            |
| • at 240 V / rated value / maximum                                     | A  | 400        |
| • at 440 V / rated value / maximum                                     | A  | 315        |
| • at DC-23 B                                                           |    |            |
| • at 240 V / rated value / maximum                                     | A  | 250        |
| • at 440 V / rated value / maximum                                     | A  | 160        |
| <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 | 50         |
| • with closed switch                                                   |    |            |
| • at 500 V / with AC / rated value                                     | kA | 100        |
| • at 690 V / with AC / rated value                                     | kA | 100        |
| <b>Operating voltage / for DC / rated value</b>                        |    |            |
|                                                                        | V  | 250        |
| <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  | 24 ... 690 |
| • for DC                                                               |    |            |
| • rated value                                                          | V  | 24 ... 250 |
| <b>Power factor</b>                                                    |    |            |
| • at AC-21 B                                                           |    | 0.95       |
| • at AC-22 B                                                           |    | 0.65       |
| • at AC-23 B                                                           |    | 0.35       |
| • with capacitive load                                                 |    | -0.25      |

|                                                                          |                    |                   |
|--------------------------------------------------------------------------|--------------------|-------------------|
| <b>I<sub>2t</sub> value / with closed switch / maximum permissible</b>   | kA <sup>2</sup> ·s | 2,150             |
| <b>Let-through current</b>                                               |                    |                   |
| • with speedy activation / maximum permissible                           | kA                 | 40                |
| • with closed switch / maximum permissible                               | kA                 | 40                |
| <b>Design of the load switch / Strip form</b>                            |                    | No                |
| <b>Fuse system</b>                                                       |                    | LV HRC fuse       |
| <b>Installation size of fuse-link</b>                                    |                    | NH1. NH2          |
| <b>Installation size of disconnecting link</b>                           |                    | 2 and 1           |
| <b>Active power loss / maximum</b>                                       | W                  | 34                |
| <b>Design of the safety monitoring</b>                                   |                    | Electromechanical |
| <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>    |                    | flat connector    |
| <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>    | 25 ... 240        |
| • stranded                                                               | mm <sup>2</sup>    | 25 ... 240        |
| <b>Tightening torque</b>                                                 |                    |                   |
| • with screw-type terminals                                              | N·m                | 10 ... 12         |
| <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> <ul style="list-style-type: none"> <li>• Rail installation</li> <li>• front mounting</li> <li>• floor mounting</li> </ul>                                                                                                    |    | busbar mounting<br>Yes<br>No<br>No |
| <b>Largeur</b> <ul style="list-style-type: none"> <li>• du jeu de barres</li> </ul>                                                                                                                                                                  | mm | 12 ... 30                          |
| <b>IP degree of protection</b> <ul style="list-style-type: none"> <li>• open</li> <li>• with closed switch <ul style="list-style-type: none"> <li>• without cover or cable lug cover</li> <li>• with cover or cable lug cover</li> </ul> </li> </ul> |    | IP20<br><br>IP30<br>IP40           |
| <b>Degree of pollution</b>                                                                                                                                                                                                                           |    | 3                                  |
| <b>Mechanical operating cycles as operating time / typical</b>                                                                                                                                                                                       |    | 1,000                              |
| <b>Item designation / according to DIN EN 61346-2</b>                                                                                                                                                                                                |    | Q                                  |

#### Ambient conditions:

##### Ambient temperature

- during operating
- during storage

|    |             |
|----|-------------|
| °C | -25 ... +55 |
| °C | -50 ... +80 |

#### Certificates/approvals:

##### General Product Approval



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,...)

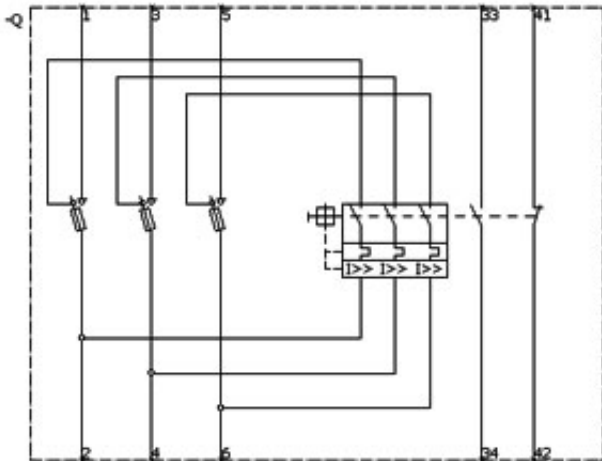
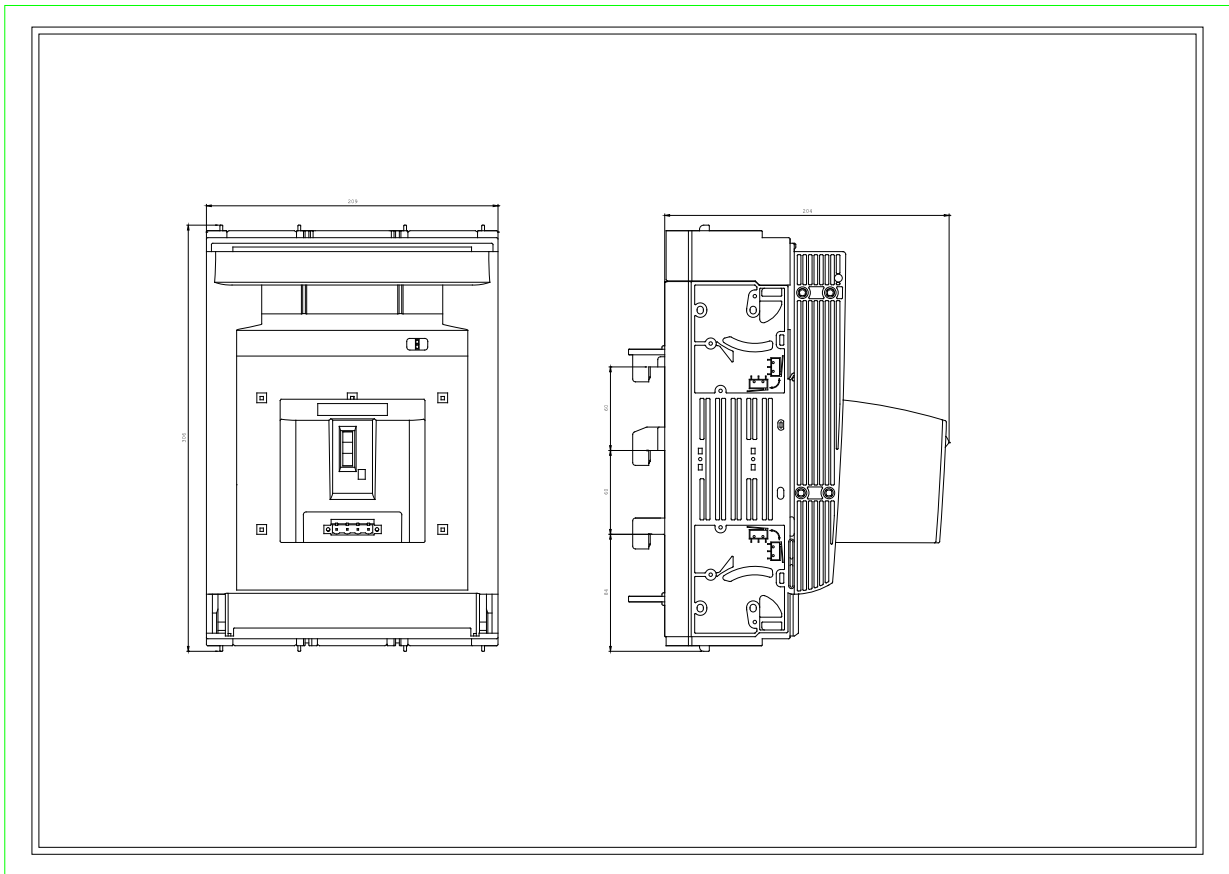
<http://support.automation.siemens.com/WW/view/en/3NP1153-1BC11/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP1153-1BC11](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1153-1BC11)

##### CAX-Online-Generator

<http://www.siemens.com/cax>



last change:

Nov 2, 2012