



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH3,  
630A MOUNTING PLATE CONSTRUCTION COVER LEVEL  
70 MM FLAT CONNECTOR FUSE MONITORING  
ELECTROMECHANICAL

Similar to image

| General technical details:                           |    |                          |
|------------------------------------------------------|----|--------------------------|
| Type from device                                     |    | Auf- und Einbau          |
| mounting position                                    |    | waagrecht oder senkrecht |
| Width                                                | mm | 249.4                    |
| Height                                               | mm | 306                      |
| Depth                                                | mm | 216.3                    |
| Continuous current                                   |    |                          |
| • at 40 °C / rated value                             | A  | 150                      |
| • at 45 °C / rated value                             | A  | 140                      |
| • at 50 °C / rated value                             | A  | 130                      |
| • at 55 °C / rated value                             | A  | 120                      |
| Operational current                                  |    |                          |
| • at AC-21 B                                         |    |                          |
| • at 400 V / rated value                             | A  | 630                      |
| • at 500 V / rated value                             | A  | 630                      |
| • at 690 V / rated value                             | A  | 630                      |
| • at AC-22 B / at 400 V / rated value                | A  | 630                      |
| Rated current Ie / maximum / in utilization category |    |                          |
| • AC-22 B                                            |    |                          |

|                                                                        |                    |            |
|------------------------------------------------------------------------|--------------------|------------|
| • at 500 V                                                             | A                  | 630        |
| • at 690 V                                                             | A                  | 500        |
| • AC-23 B                                                              |                    |            |
| • at 400 V                                                             | A                  | 630        |
| • at 500 V                                                             | A                  | 500        |
| • at 690 V                                                             | A                  | 200        |
| • 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                  | 630        |
| • at 440 V / rated value / maximum                                     | A                  | 630        |
| • at DC-22 B                                                           |                    |            |
| • at 240 V / rated value / maximum                                     | A                  | 630        |
| • at 440 V / rated value / maximum                                     | A                  | 500        |
| • at DC-23 B                                                           |                    |            |
| • at 240 V / rated value / maximum                                     | A                  | 400        |
| • at 440 V / rated value / maximum                                     | A                  | 250        |
| <b>Conditional short-circuit current (I<sub>q</sub>)</b>               |                    |            |
| • at 500 V / with AC / with speedy activation / rated value            | kA                 | 50         |
| • 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 | 5,400      |
| <b>Let-through current</b>                                             |                    |            |

|                                                                          |                 |                   |
|--------------------------------------------------------------------------|-----------------|-------------------|
| • with speedy activation / maximum permissible                           | kA              | 50                |
| • with closed switch / maximum permissible                               | kA              | 60                |
| <b>Design of the load switch / Strip form</b>                            |                 | No                |
| <b>Fuse system</b>                                                       |                 | LV HRC fuse       |
| <b>Installation size of fuse-link</b>                                    |                 | NH2, NH3          |
| <b>Installation size of disconnecting link</b>                           |                 | 3 and 2           |
| <b>Active power loss / maximum</b>                                       | W               | 48                |
| <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> | 120 ... 300       |
| • stranded                                                               | mm <sup>2</sup> | 120 ... 300       |
| <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>                                                  |                 |                   |
| • Rail installation                                                      |                 | No                |

|                                                                |       |
|----------------------------------------------------------------|-------|
| • front mounting                                               | No    |
| • floor mounting                                               | Yes   |
| <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> | 1,000 |
| <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



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,...)

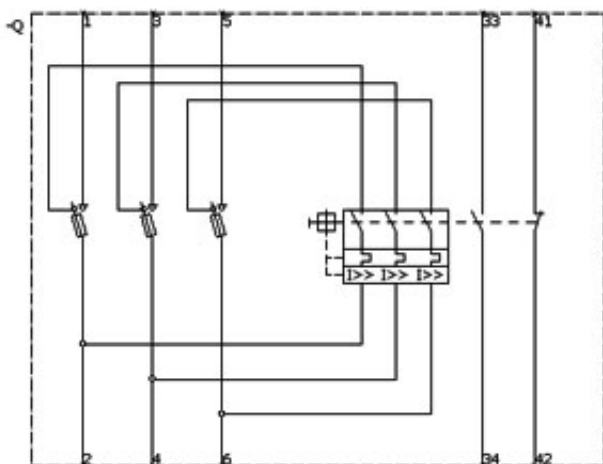
<http://support.automation.siemens.com/WW/view/en/3NP1163-1DA11/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP1163-1DA11](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1163-1DA11)

##### CAX-Online-Generator

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



last change:

Nov 2, 2012