



IN-LINE FUSE SWITCH DISCONNECTOR 3-POLE  
SWITCHABLE,  
SIZE 3 AND 2 I=630 A, U=690 V,  
AC FLAT CONNECTOR M 12 NEW DESIGN FOR INTEGR.  
CURRENT TRANSFORMER WITH ELECTRONIC FUSE  
MONITORING

Similar to image

| General technical details:           |   |                  |
|--------------------------------------|---|------------------|
| Suitability for installation         |   | Plant protection |
| Number of poles                      |   | 3                |
| Continuous current                   |   |                  |
| • rated value                        | A | 630              |
| • at 35 °C / rated value             | A | 630              |
| • at 40 °C / rated value             | A | 598.5            |
| • at 45 °C / rated value             | A | 567              |
| • at 50 °C / rated value             | A | 535.5            |
| • at 55 °C / rated value             | A | 504              |
| • at 60 °C / rated value             | A | 472.5            |
| • at 65 °C / rated value             | A | 441              |
| • at 70 °C / rated value             | A | 409.5            |
| Type from device                     |   | fixed mounting   |
| Insulation voltage / rated value     | V | 1,000            |
| Operating voltage                    |   |                  |
| • at 50/60 Hz / for AC / rated value | V | 690              |
| • for DC / rated value               | V | 440              |
| Operating current                    |   |                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------|
| <ul style="list-style-type: none"> <li>• at AC-21 B <ul style="list-style-type: none"> <li>• at 400 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul> </li> <li>• at AC-22 B <ul style="list-style-type: none"> <li>• at 400 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul> </li> <li>• at AC-23 B <ul style="list-style-type: none"> <li>• at 400 V / rated value</li> </ul> </li> </ul> | A  | 630                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A  | 630                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A  | 630                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A  | 630                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A  | 630                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A  | 630                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A  | 500                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A  | 630                                |
| <b>Fuse system</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | LV HRC fuse                        |
| <b>Installation size of fuse-link</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    | NH2, NH3                           |
| <b>Active power loss / maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | W  | 110                                |
| <b>Protection class IP / on the front</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | IP30                               |
| <b>Product component</b> <ul style="list-style-type: none"> <li>• undervoltage release mechanism</li> <li>• undervoltage release with leading contact</li> <li>• Voltage trigger</li> </ul>                                                                                                                                                                                                                                                                                            |    | No<br>No<br>No                     |
| <b>Design of the safety monitoring</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    | Yes                                |
| <b>Number of the transformers</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    | 0                                  |
| <b>Arrangement of electrical connectors / for main current circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |    | Flat terminals                     |
| <b>Design of the electrical connection / for main current circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |    | flat connector                     |
| <b>Center line spacing</b> <ul style="list-style-type: none"> <li>• 40 mm</li> <li>• 50 mm</li> <li>• 60 mm</li> <li>• 100 mm</li> <li>• 185 mm</li> </ul>                                                                                                                                                                                                                                                                                                                             | mm | 185<br>No<br>No<br>No<br>No<br>Yes |
| <b>mounting position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    | vertical                           |
| <b>Width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | mm | 99.5                               |
| <b>Height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | mm | 662                                |
| <b>Depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | mm | 195                                |
| <b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• during operating</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                        | °C | -25 ... +55                        |
| <b>Item designation / according to DIN EN 81346-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |    | Q                                  |
| <b>Reference code / according to DIN EN 61346-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |    | Q                                  |

Certificates/approvals:

| General Product Approval                                                          |                                                                                   | Test Certificates                        | other                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|
|  |  | <a href="#">Special Test Certificate</a> | <a href="#">Declaration of Conformity</a> |
| CCC                                                                               | GOST                                                                              |                                          |                                           |

#### Further information:

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

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

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

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NJ4143-3CF11>

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

<http://support.automation.siemens.com/WW/view/en/3NJ4143-3CF11/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NJ4143-3CF11](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4143-3CF11)

##### CAX-Online-Generator

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

##### Tender specifications

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)

last change:

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