



In-line fuse switch disconnecter 3-pole selectable, Sz. 2 I=400 A, U=690 V Direct connection V terminal new design

Model	
product brand name	SENTRON
product designation	Fuse switch disconnectors
design of the product	in in-line design
type of switching contact	double breaking switching contact
design of the auxiliary release	No
design of the safety monitoring	Without
design of the load switch strip form	Without
design of the load switch strip form	Yes
General technical data	
number of poles	3
number of poles note	3-pole switchable
type of device	For busbar system 185 mm
size of fuse link	NH1, NH2
fuse system	LV HRC fuse
Voltage	
insulation voltage rated value	1 000 V
operating voltage at DC rated value	440 V
Protection class	
protection class IP on the front	IP30
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> <li>for rated value of the current at AC in hot operating state per pole</li> </ul>	16.3 W
<ul style="list-style-type: none"> <li>maximum</li> </ul>	49 W
operational current	
<ul style="list-style-type: none"> <li>at AC-21 B at 400 V rated value</li> </ul>	400 A
<ul style="list-style-type: none"> <li>at AC-21 B at 500 V rated value</li> </ul>	400 A
<ul style="list-style-type: none"> <li>at AC-21 B at 690 V rated value</li> </ul>	400 A
<ul style="list-style-type: none"> <li>at AC-23 B at 400 V rated value</li> </ul>	400 A
Main circuit	
operational current	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	400 A
<ul style="list-style-type: none"> <li>with capacitive load at 400 V rated value</li> </ul>	216 A
<ul style="list-style-type: none"> <li>with capacitive load at 500 V rated value</li> </ul>	165 A
Suitability	
suitability for operation	System protection
suitability for use	
<ul style="list-style-type: none"> <li>main switch</li> </ul>	No
<ul style="list-style-type: none"> <li>switch disconnecter</li> </ul>	Yes
<ul style="list-style-type: none"> <li>EMERGENCY OFF switch</li> </ul>	No

- safety switch No
- maintenance/repair switch No

#### Product details

- product component
  - voltage trigger No
  - undervoltage release No
  - undervoltage release with leading contact No

#### Short circuit

- conditional short-circuit current (I<sub>q</sub>)**
  - at AC-21 B at 400 V rated value 110 kA
  - at AC-21 B at 500 V rated value 110 kA
  - at AC-21 B at 690 V rated value 110 kA
  - at AC-22 B at 400 V rated value 110 kA
  - at AC-22 B at 500 V rated value 110 kA
  - at AC-22 B at 690 V rated value 110 kA
  - at AC-23 B at 400 V rated value 110 kA
  - at AC-23 B at 500 V rated value 110 kA
  - at AC-23 B at 690 V rated value 110 kA

#### Connections

- arrangement of electrical connectors for main current circuit Direct connection
- type of electrical connection for main current circuit box terminal

#### Mechanical Design

- height 662 mm
- width 100 mm
- depth 195 mm
- fastening method V-Klemme, 25-150 / 185-300 mm<sup>2</sup>
- mounting position vertical
- busbar center-to-center spacing 185 mm
- busbar center-to-center spacing
  - 40 mm No
  - 50 mm No
  - 60 mm No
  - 100 mm No
  - 185 mm Yes
- net weight 5.5 kg

#### Environmental conditions

- ambient temperature during operation
  - minimum -25 °C
  - maximum 55 °C

#### General Product Approval

#### Declaration of Conformity

#### Test Certificates

#### other

[Confirmation](#)



[Special Test Certificate](#)

[Confirmation](#)

#### other

#### Environment

[Miscellaneous](#)

[Environmental Confirmations](#)

#### Further information

Siemens has decided to exit the Russian market (see here).  
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3NJ4133-3BT01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4133-3BT01>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NJ4133-3BT01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4133-3BT01)

**CAX-Online-Generator**

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

**Tender specifications**

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

---

last modified:

7/29/2022 

