



FUSE-SWITCH-DISCONNECTOR 3-POLE SWITCHABLE, NEW DESIGN FOR SECONDARY-SIDE PROTECTION OF TRANSFORMATORS UP TO 630 KVA FOR LV HRC FUSES GTR 910 A MAX., 400V AC, AND NH3 DISCONN.PLATE UP TO 1250 A.

Figure similar

Model		
Product designation		Fuse switch disconnectors
Design of the product		Mounting onto rail with 185mm busbar center-center spacing
Type of switching contact / double breaking switching contact		No
Design of the safety monitoring		No
Design of the load switch / Strip form		Yes
Type of the driving mechanism / motor drive		No
General technical data		
Number of poles		3
Number of poles / Note		3-pole switchable
Type of device		fixed mounting
Size of fuse link		NH3
Continuous current / at 35 °C / Rated value	A	910
cut-off value $I^2t_{max.}$ / 500 V	A <sup>2</sup> ·s	5 400 000
circuit-breaker / Design		3NJ4
Fuse system		LV HRC fuse
Voltage		
Insulation voltage / Rated value	V	500
Protection class		
Protection class IP / on the front		IP30
Dissipation		
Active power loss		

- maximum

W	260
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## Electricity

<b>Number of transformers</b>		0
<b>Continuous current</b>		
• Rated value	A	910
• at 40 °C / Rated value	A	864.5
• at 45 °C / Rated value	A	819
• at 50 °C / Rated value	A	773.5
• at 55 °C / Rated value	A	728
• at 60 °C / Rated value	A	682.5
• at 65 °C / Rated value	A	112
• at 70 °C / Rated value	A	591.5
<b>Let-through current / I<sub>c</sub> / maximum permissible</b>		
• 400 V	kA	53
• 500V	kA	53
<b>cut-off value I<sup>2</sup>t<sub>max</sub> / 400 V</b>	A <sup>2</sup> ·s	5 400 000

## Main circuit

<b>Operating voltage</b>		
• with AC / at 50/60 Hz / Rated value	V	690
<b>Operating current</b>		
• at AC-21 B / at 400 V / Rated value	A	910
• at AC-21 B / at 500 V / Rated value	A	910
• at AC-21 B / at 690 V / Rated value	A	910
• at AC-22 B / at 400 V / Rated value	A	910
• at AC-22 B / at 500 V / Rated value	A	910
• at AC-22 B / at 690 V / Rated value	A	710
• at AC-23 B / at 400 V / Rated value	A	910

## Suitability

<b>Suitability for operation</b>		Transformer protection
<b>Suitability for use</b>		
• Main switch		No
• switch disconnecter		Yes
• EMERGENCY OFF switch		No
• safety switch		No
• maintenance/repair switch		No

## Product details

<b>Product feature / interlock</b>		No
<b>Product component</b>		
• Trip indicator		No
• Voltage trigger		No

• undervoltage release		No
• undervoltage release with leading contact		No
<b>Product expansion</b>		
• optional		
— motor drive		No
— Voltage trigger		No

### Short circuit

<b>Conditional rated short-circuit current / in utilization category</b>		
• AC-21 B / at 400 V	kA	50
• AC-21 B / at 500 V	kA	50
• AC-22 B / at 400 V	kA	50
• AC-22 B / at 500 V	kA	50

### Connections

Arrangement of electrical connectors / for main current circuit		Flat terminals
Type of electrical connection / for main current circuit		flat connector

### Mechanical Design

<b>Height</b>	mm	662
<b>Width</b>	mm	99.5
<b>Depth</b>	mm	195
<b>mounting position</b>		vertical
<b>Mounting type</b>		Flachanschluss, 2 x M 12
<b>Busbar center-to-center spacing</b>	mm	185
<b>Busbar center-to-center spacing</b>		
• 40 mm		No
• 50 mm		No
• 60 mm		No
• 100 mm		No
• 185 mm		Yes

### Environmental conditions

<b>Ambient temperature</b>		
• during operation / minimum	°C	-25
• during operation / maximum	°C	55

### Certificates

<b>Equipment marking</b>		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

General Product Approval	Declaration of Conformity	Test Certificates
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[Special Test Certificate](#)

#### 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/3NJ41833BF01>

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

<http://support.automation.siemens.com/WW/view/en/3NJ41833BF01/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NJ41833BF01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ41833BF01)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>

last modified:

11.03.2015