



IN-LINE FUSE SWITCH DISCONNECTOR 3-POLE SWITCHABLE, SIZE 00/000 I=160 A, U=690 V AC FLAT CONNECTOR M 8 NEW DESIGN FOR INTEGR. CURRENT TRANSFORMER WITH ELECTRONIC FUSE MONITORING

Figure similar

Model		
Product designation		Fuse switch disconnectors
Design of the product		Mounting onto rail with 100mm busbar center-center spacing
Type of switching contact / double breaking switching contact		No
Design of the safety monitoring		Yes
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		NH000, NH00
Continuous current / at 35 °C / Rated value	A	160
cut-off value $I^2t_{max.} / 500 V$	A ² ·s	225 000
circuit-breaker / Design		3NJ4
Fuse system		LV HRC fuse
Voltage		
Insulation voltage / Rated value	V	800
Protection class		
Protection class IP / on the front		IP30
Dissipation		
Active power loss		

- maximum

W	18
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Electricity

Number of transformers		0
Continuous current		
• Rated value	A	160
• at 40 °C / Rated value	A	152
• at 45 °C / Rated value	A	144
• at 50 °C / Rated value	A	136
• at 55 °C / Rated value	A	128
• at 60 °C / Rated value	A	120
• at 65 °C / Rated value	A	112
• at 70 °C / Rated value	A	110.5
Let-through current / I_c / maximum permissible		
• 400 V	kA	15
• 500V	kA	15
cut-off value I²t_{max} / 400 V	A ² ·s	225 000

Main circuit

Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
• for DC / Rated value	V	440
Operating current		
• at AC-21 B / at 400 V / Rated value	A	160
• at AC-21 B / at 500 V / Rated value	A	160
• at AC-21 B / at 690 V / Rated value	A	160
• at AC-22 B / at 400 V / Rated value	A	160
• at AC-22 B / at 500 V / Rated value	A	160
• at AC-22 B / at 690 V / Rated value	A	100
• at AC-23 B / at 400 V / Rated value	A	160

Suitability

Suitability for operation		Plant protection
Suitability for use		
• Main switch		No
• switch disconnecter		Yes
• EMERGENCY OFF switch		No
• safety switch		No
• maintenance/repair switch		No

Product details

Product feature / interlock		No
Product component		
• Trip indicator		No

• Voltage trigger		No
• undervoltage release		No
• undervoltage release with leading contact		No
Product expansion		
• optional		
— motor drive		No
— Voltage trigger		No

Short circuit

Conditional rated short-circuit current / in utilization category		
• AC-21 B / at 400 V	kA	80
• 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

Height	mm	410
Width	mm	49.8
Depth	mm	121
mounting position		vertical
Mounting type		Flachanschluss, M 8
Busbar center-to-center spacing	mm	100
Busbar center-to-center spacing		
• 40 mm		No
• 50 mm		No
• 60 mm		No
• 100 mm		Yes
• 185 mm		No

Environmental conditions

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

Certificates

Equipment marking		
• 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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CCC



GOST



EG-Konf.

[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/3NJ41033CF12>

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

<http://support.automation.siemens.com/WW/view/en/3NJ41033CF12/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ41033CF12

CAX-Online-Generator

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

Tender specifications

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

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