



IN-LINE FUSE SWITCH DISCONNECTOR 3-POLE SWITCHABLE, SIZE 1 I=250 A, U=690 V FLAT CONNECTOR M 10 NEW DESIGN WITH ELECTRONIC FUSE MONITORING EFM

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		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		NH1
Continuous current / at 35 °C / Rated value	A	250
cut-off value I ² t _{max.} / 500 V	A ² ·s	780 000
circuit-breaker / Design		3NJ4
Fuse system		LV HRC fuse
Voltage		
Insulation voltage / Rated value	V	1 000
Protection class		
Protection class IP / on the front		IP30
Dissipation		
Active power loss		

- maximum

W	23
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Electricity

Number of transformers		0
Continuous current		
• Rated value	A	250
• at 40 °C / Rated value	A	237.5
• at 45 °C / Rated value	A	225
• at 50 °C / Rated value	A	212.5
• at 55 °C / Rated value	A	200
• at 60 °C / Rated value	A	187.5
• at 65 °C / Rated value	A	175
• at 70 °C / Rated value	A	162.5
Let-through current / I_c / maximum permissible		
• 400 V	kA	28
• 500V	kA	28
cut-off value I²t_{max} / 400 V	A ² ·s	780 000

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	250
• at AC-21 B / at 500 V / Rated value	A	250
• at AC-21 B / at 690 V / Rated value	A	250
• at AC-22 B / at 400 V / Rated value	A	250
• at AC-22 B / at 500 V / Rated value	A	250
• at AC-22 B / at 690 V / Rated value	A	200
• at AC-23 B / at 400 V / Rated value	A	250

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	110
• AC-21 B / at 500 V	kA	110
• AC-22 B / at 400 V	kA	110
• AC-22 B / at 500 V	kA	110

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	662
Width	mm	99.5
Depth	mm	195
mounting position		vertical
Mounting type		Flachanschluss, M 10
Busbar center-to-center spacing	mm	185
Busbar center-to-center spacing		
• 40 mm		No
• 50 mm		No
• 60 mm		No
• 100 mm		No
• 185 mm		Yes

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/3NJ41233CF01>

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

<http://support.automation.siemens.com/WW/view/en/3NJ41233CF01/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ41233CF01

CAX-Online-Generator

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

Tender specifications

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

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