

In-line fuse switch disconnecter 3-pole selectable, Sz. 2 I=400 A, U=690 V Screw terminal M12, new design



Figure similar

Model	
Product brand name	SETRON
Product designation	Fuse switch disconnectors
Design of the product	in in-line design
Design type	Fixed-mounted
Type of switching contact / double breaking switching contact	No
Design of the auxiliary release	No
Design of the auxiliary switch	No
Design of the safety monitoring	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
Continuous current / at 35 °C / rated value	400 A

cut-off value $I^{**2t,max.}$ / 500 V	2 150 000 A ² ·s
circuit-breaker / Design	3NJ4
Fuse system	LV HRC fuse

Voltage

Insulation voltage / rated value	1 000 V
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Protection class

Protection class IP / on the front	IP30
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Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	16.3 W
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Electricity

Number of transformers	0
Continuous current	
• rated value	400 A
• at 40 °C / rated value	380 A
• at 45 °C / rated value	360 A
• at 50 °C / rated value	340 A
• at 55 °C / rated value	320 A
• at 60 °C / rated value	300 A
• at 65 °C / rated value	280 A
• at 70 °C / rated value	260 A
Let-through current / I_c / maximum permissible	
• 400 V	39 kA
• 500V	39 kA
cut-off value $I^{**2t,max.}$ / 400 V	2 150 000 A ² ·s

Main circuit

Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 V
Operating current / with capacitive load	
• at 400 V / maximum	216 A
• at 500 V / maximum	165 A

Suitability

Suitability for operation	System protection
Suitability for use	
• Main switch	No
• switch disconnecter	Yes
• EMERGENCY OFF switch	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 rated short-circuit current / in utilization category

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

Connections

Arrangement of electrical connectors / for main current circuit	Screw terminal
Type of electrical connection / for main current circuit	screw-type terminals

Mechanical Design



Height	662 mm
Width	99.5 mm
Depth	195 mm
Mounting position	vertical
Mounting type	Flachanschluss, M 12
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	5.25 kg

Environmental conditions

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

Certificates

Reference code	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates
 <p>CCC</p>	 <p>EG-Konf.</p>	<p>Special Test Certificate</p>

Further information

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=3NJ4133-3BF01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4133-3BF01>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4133-3BF01

CAX-Online-Generator

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

Tender specifications

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