

In-line fuse switch disconnecter 1-pole selectable, Sz. 1 I=250 A, U=690 V Screw terminal M10, new design Current transformer installation possible



Figure similar

Model	
Product brand name	SENTRON
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 safety monitoring	Without
Design of the load switch / Strip form	Yes

General technical data	
Number of poles	3
Number of poles / Note	1-pole switchable
Type of device	For busbar system 185 mm
Size of fuse link	NH1
Continuous current / at 35 °C / rated value	250 A
cut-off value $I^2t_{max.}$ / 500 V	780 000 A ² ·s
circuit-breaker / Design	3NJ4

Fuse system	LV HRC fuse
Voltage	
Insulation voltage / rated value	1 000 V
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 V
Protection class	
Protection class IP / on the front	IP30
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	7.66 W
Current	
Number of transformers	0
Continuous current	
• rated value	250 A
• at 40 °C / rated value	237.5 A
• at 45 °C / rated value	225 A
• at 50 °C / rated value	212.5 A
• at 55 °C / rated value	200 A
• at 60 °C / rated value	187.5 A
• at 65 °C / rated value	175 A
• at 70 °C / rated value	162.5 A
Let-through current / I _c / maximum permissible	
• 400 V	28 kA
• 500V	28 kA
cut-off value I ² t _{max.} / 400 V	780 000 A ² ·s
Main circuit	
Operating current / with capacitive load	
• at 400 V / maximum	144 A
• at 500 V / maximum	110 A
Suitability	
Suitability for operation	System protection
Suitability for use	
• Main switch	No
• switch disconnector	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 type	Flachanschluss, M 10
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	4.89 kg
• during operation	-25 ... +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
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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://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3NJ4121-3BF11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4121-3BF11>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3NJ4121-3BF11

CAX-Online-Generator

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

Tender specifications

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