



In-line fuse switch disconnecter 3-pole selectable, Sz. 1 I=250 A, U=690 V Screw terminal M10,

Model	
product brand name	SENTRON
product designation	Fuse switch disconnectors
design of the product	in in-line design
type of switching contact	double breaking switching contact
design of the auxiliary release	No
design of the safety monitoring	Without
design of the load switch strip form	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
fuse system	LV HRC fuse
Voltage	
insulation voltage rated value	1 000 V
operational current	
• at AC-21 B at 400 V rated value	250 A
• at AC-21 B at 500 V rated value	250 A
• at AC-21 B at 690 V rated value	250 A
• at AC-23 B at 400 V rated value	250 A
operating voltage	
• at AC 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
• maximum	23 W
Main circuit	
operational current	
• rated value	250 A
• with capacitive load at 400 V rated value	144 A
• with capacitive load at 500 V rated value	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 short-circuit current (I_q)	
• at AC-21 B at 400 V rated value	110 kA
• at AC-21 B at 500 V rated value	110 kA
• at AC-21 B at 690 V rated value	110 kA
• at AC-22 B at 400 V rated value	110 kA
• at AC-22 B at 500 V rated value	110 kA
• at AC-22 B at 690 V rated value	110 kA
• at AC-23 B at 400 V rated value	110 kA
• at AC-23 B at 500 V rated value	110 kA
• at AC-23 B at 690 V rated value	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	100 mm
depth	195 mm
fastening method	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	5.08 kg

Environmental conditions

ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C

Approvals Certificates

General Product Approval

other



[Confirmation](#)



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[Miscellaneous](#)

Environment

[Environmental Con-
firmations](#)

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firmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3NJ4123-3BF01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4123-3BF01>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4123-3BF01

CAX-Online-Generator

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

Tender specifications

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

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