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Data sheet 3NJ4103-3BF02



in-line fuse switch disconnector 3-pole switchable, sz. 00 I=160 A, U=690 V screw terminal M8

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	No
design of the auxiliary release	Without
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 100 mm
size of fuse link	NH000, NH00
fuse system	LV HRC fuse
Voltage	
insulation voltage rated value	800 V
operational current	
● at AC-21 B at 400 V rated value	160 A
● at AC-21 B at 500 V rated value	160 A
● at AC-21 B at 690 V rated value	160 A
● at AC-23 B at 400 V rated value	160 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	6 W
● maximum	18 W
Main circuit	
operational current	
● rated value	160 A
● with capacitive load at 400 V rated value	72 A
● with capacitive load at 500 V rated value	55 A
Suitability	
suitability for operation	System protection

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suitability for use main switch	No
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	No
suitability for use 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 (Iq)	
● at AC-21 B at 400 V rated value	80 kA
● at AC-21 B at 500 V rated value	80 kA
● at AC-21 B at 690 V rated value	80 kA
● at AC-22 B at 400 V rated value	80 kA
● at AC-22 B at 500 V rated value	80 kA
● at AC-22 B at 690 V rated value	80 kA
● at AC-23 B at 400 V rated value	80 kA
● at AC-23 B at 500 V rated value	80 kA
● at AC-23 B at 690 V rated value	80 kA
Connections	
arrangement of electrical connectors for main current circuit	Screw terminal
type of electrical connection for main current circuit	M8 screw terminal
Mechanical Design	
height	410 mm
width	50 mm
depth	121 mm
fastening method	Flachanschluss, M 10
mounting position	vertical, horizontal
busbar center-to-center spacing	100 mm
busbar center-to-center spacing	
● 40 mm	No
● 50 mm	No
● 60 mm	No
● 100 mm	Yes
● 185 mm	No
Net Weight	1.142 kg
Environmental conditions	
ambient temperature during operation	
● minimum	-25 °C
● maximum	55 °C

Approvals Certificates

Environment		**General Product Approval**			
Environmental Con-firmations	Environmental Con-firmations	EAC	Confirmation	CE EG-Konf.	UK CA

other

Confirmation	产品合格 QC PASS

Further information

Information on the packaging

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

Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012

Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3NJ4103-3BF02

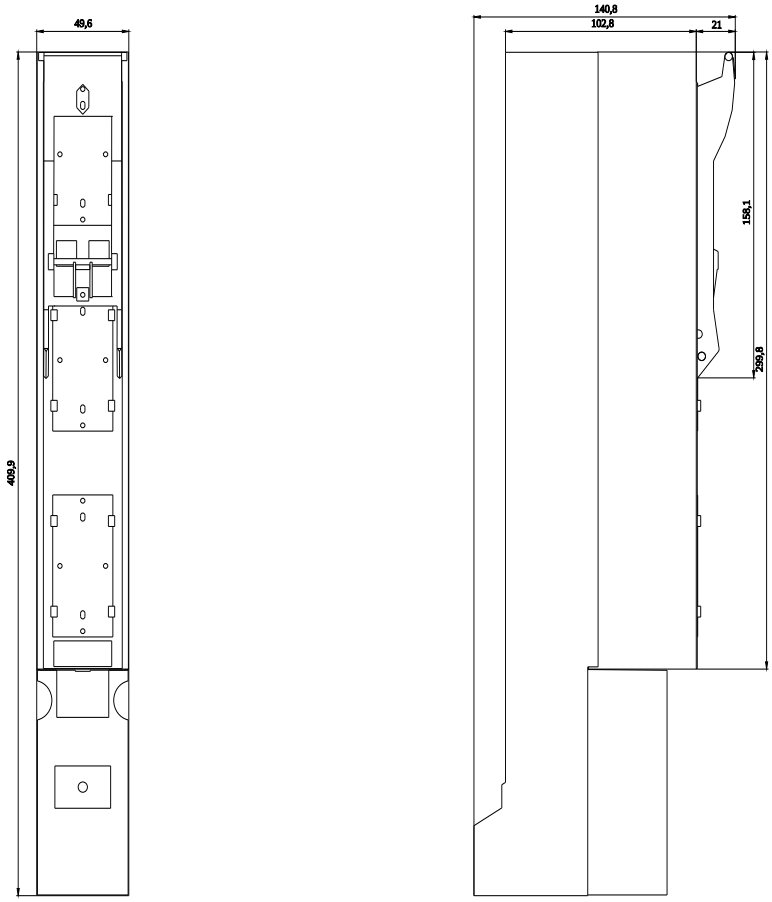
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3NJ4103-3BF02

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4103-3BF02

CAx-Online-Generator
https://www.siemens.com/cax

Tender specifications
https://www.siemens.com/specifications

Kennlinien
https://curves.simaris.siemens.com/curves/3NJ4103-3BF02



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