SIEMENS

Data sheet 3NJ4143-3BF01



Figure similar

in-line fuse switch disconnector 3-pole switchable, sz. 3 I=630 A, U=690 V screw terminal M12,

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 185 mm
size of fuse link	NH2, NH3
fuse system	LV HRC fuse
Voltage	
insulation voltage rated value	1 000 V
operational current	
● at AC-21 B at 400 V rated value	630 A
● at AC-21 B at 500 V rated value	630 A
● at AC-21 B at 690 V rated value	630 A
● at AC-23 B at 400 V rated value	630 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	38.3 W
● maximum	115 W
Main circuit	
operational current	
● rated value	630 A
● with capacitive load at 400 V rated value	361 A
● with capacitive load at 500 V rated value	275 A
Suitability	

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suitability for operation	System protection
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	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 12
mounting position	vertical, horizontal
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	5.9 kg
Environmental conditions	
ambient temperature during operation	
● minimum	-25 °C
● maximum	55 °C

Approvals Certificates

Environment		General Product Approval			
Environmental Confirmations	Environmental Confirmations	EAC	Confirmation	CE EG-Konf.	UKCA

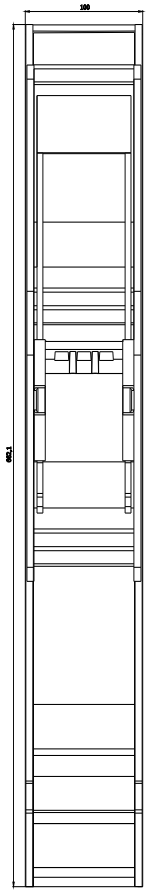
other

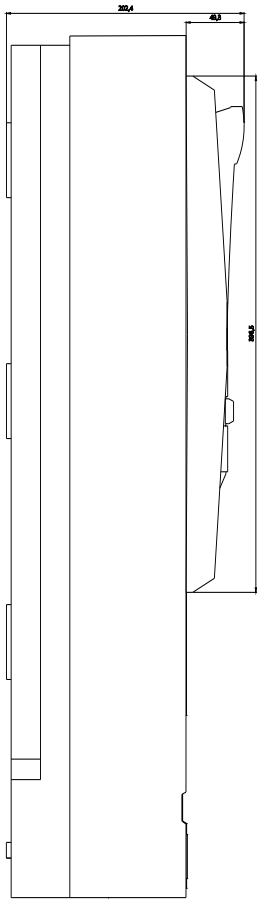
Confirmation	产品合格 QC PASS

Further information

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Information on the packaging
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=3NJ4143-3BF01
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3NJ4143-3BF01
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4143-3BF01
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
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