SIEMENS

Data sheet 3NJ4131-3BF11



IN-LINE FUSE SWITCH DISCONN. 1-POLE SWITCHING, SIZE 2 I=400A, U=690V SCREW CONNECTION M 12 NEW DESIGN CURR.TRANSF.CAN BE INSTALLED

Figure similar

Product designation Design of the product Type of switching contact / double breaking switching contact Design of the safety monitoring Design of the load switch / Strip form Type of the driving mechanism / motor drive No Ceneral technical data Number of poles / Note Type of device Size of fuse link Continuous current / at 35 °C / Rated value cut-off value **2t,max. / 500 V circuit-breaker / Design Fuse switch disconnectors Mounting onto rail with 185mm busbar center-center spacing No So Mounting onto rail with 185mm busbar center-center spacing No So Type of switching onto rail with 185mm busbar center-center spacing No So Type of the driving mechanism / motor drive No 1-pole switchable 1-pole switchable	Tigoro Sirina		
Design of the product Mounting onto rail with 185mm busbar center-center spacing Type of switching contact / double breaking switching contact Design of the safety monitoring Design of the load switch / Strip form Type of the driving mechanism / motor drive No General technical data Number of poles Number of poles / Note Type of device Size of fuse link Continuous current / at 35 °C / Rated value cut-off value I**2t,max. / 500 V circuit-breaker / Design Mounting onto rail with 185mm busbar center-center spacing No No 1-pole switchable 1-pole switchable NH1, NH2 400 2 150 000 3NJ4	Model		
Type of switching contact / double breaking switching contact Design of the safety monitoring Design of the load switch / Strip form Type of the driving mechanism / motor drive No General technical data Number of poles Number of poles / Note Type of device Size of fuse link Continuous current / at 35 °C / Rated value cut-off value I**2t,max. / 500 V circuit-breaker / Design	Product designation		Fuse switch disconnectors
Type of switching contact / double breaking switching contact Design of the safety monitoring Design of the load switch / Strip form Type of the driving mechanism / motor drive No General technical data Number of poles Number of poles / Note Type of device Type of device Size of fuse link Continuous current / at 35 °C / Rated value A 400 cut-off value I**2t,max. / 500 V A²-s 2 150 000 circuit-breaker / Design	Design of the product		Mounting onto rail with 185mm busbar center-center
contact Design of the safety monitoring Design of the load switch / Strip form Type of the driving mechanism / motor drive No General technical data Number of poles Number of poles / Note Type of device Size of fuse link Continuous current / at 35 °C / Rated value cut-off value I**2t,max. / 500 V circuit-breaker / Design No Yes No 1-pole switchable fixed mounting NH1, NH2 A 400 A²-s 2 150 000 3NJ4			spacing
Design of the safety monitoring Design of the load switch / Strip form Type of the driving mechanism / motor drive No General technical data Number of poles Number of poles / Note Type of device Type of device Size of fuse link Continuous current / at 35 °C / Rated value Cut-off value I**2t,max. / 500 V Circuit-breaker / Design			No
Design of the load switch / Strip form Type of the driving mechanism / motor drive No General technical data Number of poles Number of poles / Note Type of device Type of device Size of fuse link Continuous current / at 35 °C / Rated value cut-off value I**2t,max. / 500 V circuit-breaker / Design Yes Yes No Yes A 400 A-2·s 2 150 000 3NJ4	contact		
Type of the driving mechanism / motor drive No General technical data Number of poles Number of poles / Note 1-pole switchable Type of device fixed mounting Size of fuse link NH1, NH2 Continuous current / at 35 °C / Rated value cut-off value I**2t,max. / 500 V circuit-breaker / Design	Design of the safety monitoring		No
Number of poles Number of poles / Note Type of device Size of fuse link Continuous current / at 35 °C / Rated value Cut-off value I**2t,max. / 500 V Circuit-breaker / Design 3 1-pole switchable fixed mounting NH1, NH2 A 400 A²-s 2 150 000 3NJ4	Design of the load switch / Strip form		Yes
Number of poles 3 Number of poles / Note 1-pole switchable Type of device fixed mounting Size of fuse link NH1, NH2 Continuous current / at 35 °C / Rated value A 400 cut-off value I**2t,max. / 500 V A²-s 2 150 000 circuit-breaker / Design 3NJ4	Type of the driving mechanism / motor drive		No
Number of poles / Note Type of device Size of fuse link Continuous current / at 35 °C / Rated value cut-off value I**2t,max. / 500 V circuit-breaker / Design 1-pole switchable fixed mounting NH1, NH2 400 400 A²-s 2 150 000 3NJ4	General technical data		
Type of device fixed mounting Size of fuse link Continuous current / at 35 °C / Rated value Cut-off value I**2t,max. / 500 V Circuit-breaker / Design fixed mounting NH1, NH2 A 400 2 150 000 3 NJ4	Number of poles		3
Size of fuse link Continuous current / at 35 °C / Rated value Cut-off value I**2t,max. / 500 V Circuit-breaker / Design NH1, NH2 A 400 Cut-off value I**2t,max. / 500 V A²-s 2 150 000 3NJ4	Number of poles / Note		1-pole switchable
Continuous current / at 35 °C / Rated value Cut-off value I**2t,max. / 500 V Circuit-breaker / Design A 400 A²-s 2 150 000 3NJ4	Type of device		fixed mounting
cut-off value I**2t,max. / 500 V A²-s 2 150 000 circuit-breaker / Design 3NJ4	Size of fuse link		NH1, NH2
circuit-breaker / Design 3NJ4	Continuous current / at 35 °C / Rated value	Α	400
	cut-off value I**2t,max. / 500 V	A ² ·s	2 150 000
Fuse system LV HRC fuse	circuit-breaker / Design		3NJ4
LV III C I I I I I I I I I I I I I I I I	Fuse system		LV HRC fuse

Voltage		
Insulation voltage / Rated value	V	1 000
Protection class		
Protection class IP / on the front		IP30
Dissipation		
Active power loss		

maximum	W	49

Electricity		
Number of transformers		0
Continuous current		
Rated value	Α	400
• at 40 °C / Rated value	Α	380
• at 45 °C / Rated value	Α	360
• at 50 °C / Rated value	Α	340
• at 55 °C / Rated value	Α	320
• at 60 °C / Rated value	Α	300
• at 65 °C / Rated value	Α	280
• at 70 °C / Rated value	Α	260
Let-through current / Ic / maximum permissible		
• 400 V	kA	39
• 500V	kA	39
cut-off value I**2t,max. / 400 V	A ² ·s	2 150 000
Main circuit		
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
• for DC / Rated value	V	440
Operating current		
• at AC-21 B / at 400 V / Rated value	Α	400
• at AC-21 B / at 500 V / Rated value	Α	400
• at AC-21 B / at 690 V / Rated value	Α	400
• at AC-22 B / at 400 V / Rated value	Α	400
• at AC-22 B / at 500 V / Rated value	Α	400
• at AC-22 B / at 690 V / Rated value	Α	315
• at AC-23 B / at 400 V / Rated value	Α	400
Suitability		
Suitability for operation		Plant protection
Suitability for use		
Main switch		No
 switch disconnector 		Yes

Plant protection
No
Yes
No
No
No

Product details	
Product feature / interlock	No
Product component	
Trip indicator	No

Voltage trigger		No
undervoltage release		No
undervoltage release with leading contact		No
Product expansion		
• optional		
— motor drive		No
— Voltage trigger		No
Short circuit		
Conditional rated short-circuit current / in utilization category		
• AC-21 B / at 400 V	kA	110
• AC-21 B / at 500 V	kA	110
• AC-22 B / at 400 V	kA	110
• AC-22 B / at 500 V	kA	110
◆ AC-22 B7 at 300 V	IV	110
Connections		
Arrangement of electrical connectors / for main		Screw terminals
current circuit		
Type of electrical connection / for main current circuit		screw-type terminals
Mechanical Design		
Height	mm	662
Width	mm	99.5
Depth	mm	195
mounting position		vertical
Mounting type		Flachanschluss, M 12
Busbar center-to-center spacing	mm	185
Busbar center-to-center spacing		
● 40 mm		No
● 50 mm		No
• 60 mm		No
• 100 mm		No
• 185 mm		Yes
Environmental conditions		
Ambient temperature		
during operation / minimum	°C	-25
during operation / maximum	°C	55
Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		
		Q

General Product Approval

Declaration of Conformity

Test Certificates









Special Test Certificate

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NJ41313BF11

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

http://support.automation.siemens.com/WW/view/en/3NJ41313BF11/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ41313BF11

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv

last modified: 11.03.2015