SIEMENS

3NJ4121-3BF11 Data sheet



IN-LINE FUSE SWITCH DISCONN. 1-POLE SWITCHING, SIZE 1 I=250A, U=690V SCREW CONNECTION M 10 NEW DESIGN CURR.TRANSF.CAN BE INSTALLED

Figure similar				
Model				
Product designation	Fuse switch disconnectors			
Design of the product	Mounting onto rail with 185mm busbar center-center			
	spacing			
Type of switching contact / double breaking switching contact	No			
Design of the safety monitoring	No			
Design of the load switch / Strip form	Yes			
Type of the driving mechanism / motor drive	No			
General technical data				
Number of poles	3			
Number of poles / Note	1-pole switchable			

General technical data		
Number of poles		3
Number of poles / Note		1-pole switchable
Type of device		fixed mounting
Size of fuse link		NH1
Continuous current / at 35 °C / Rated value	Α	250
cut-off value I**2t,max. / 500 V	A²·s	780 000
circuit-breaker / Design		3NJ4
Fuse system		LV HRC fuse

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

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Active power loss

maximum	W	23
		20

Electricity		
Number of transformers		0
Continuous current		
Rated value	Α	250
• at 40 °C / Rated value	Α	237.5
● at 45 °C / Rated value	Α	225
• at 50 °C / Rated value	Α	212.5
● at 55 °C / Rated value	Α	200
● at 60 °C / Rated value	Α	187.5
● at 65 °C / Rated value	Α	175
• at 70 °C / Rated value	Α	162.5
Let-through current / lc / maximum permissible		
• 400 V	kA	28
• 500V	kA	28
cut-off value I**2t,max. / 400 V	A ² ·s	780 000
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	250
• at AC-21 B / at 500 V / Rated value	Α	250
• at AC-21 B / at 690 V / Rated value	Α	250
• at AC-22 B / at 400 V / Rated value	Α	250
• at AC-22 B / at 500 V / Rated value	Α	250
• at AC-22 B / at 690 V / Rated value	Α	200
• at AC-23 B / at 400 V / Rated value	Α	250
Suitability		
Suitability for operation		Plant protection
Suitability for use		
Main switch		No
switch disconnector		Yes

Juliability	
Suitability for operation	Plant protection
Suitability for use	
Main switch	No
• switch disconnector	Yes
 EMERGENCY OFF switch 	No
• safety switch	No
maintenance/repair switch	No

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

undervoltage release undervoltage release with leading contact Product expension optional	Voltage trigger		No
• undervoltage release with leading contact Product expansion • optional — motor drive — Voltage trigger Short circuit Conditional rated short-circuit current / in utilization category • AC-21 B / at 400 V • AC-21 B / at 500 V • AC-22 B / at 400 V • AC-22 B / at 400 V • AC-22 B / at 400 V • AC-22 B / at 500 V • AC-22 B / at 500 V • AC-32 B / a			No
Product expansion • optional — motor drive — Voltage trigger Short cloruit — Conditional rated short-circuit current / in utilization category • AC-21 B / at 400 V	_		No
Short circuit Conditional rated short-circuit current / in utilization category AC-21 B / at 400 V	·		No
Short circuit	— Voltage trigger		No
Conditional rated short-circuit current / in utilization category			
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 Connections Arrangement of electrical connectors / for main current circuit Screw terminals Type of electrical connection / for main current circuit screw-type terminals Mechanical Design Height mm 662 Width mm 99.5 Depth mm 195 mounting type Flachanschluss, M 10 Busbar center-to-center spacing mm 185 Busbar center-to-center spacing No No • 40 mm No No • 60 mm No No • 185 mm No Yes Environmental conditions Ambient temperature • during operation / maximum °C -25 • during operation / maximum °C -55 Certificates <t< td=""><td></td><td></td><td></td></t<>			
AC-21 B / at 400 V AC-21 B / at 500 V AC-21 B / at 500 V AC-22 B / at 400 V AC-22 B / at 500 V Connections Arrangement of electrical connectors / for main current circuit Type of electrical connection / for main current circuit Screw-type terminals Wechanical Design Height			
AC-22 B / at 400 V AC-22 B / at 500		kA	110
• AC-22 B / at 500 V	• AC-21 B / at 500 V	kA	110
Connections Arrangement of electrical connectors / for main current circuit Type of electrical connection / for main current circuit Mechanical Design Height mm 662 Width mm 99.5 Depth mm 195 mounting position vertical Mounting type Flachanschluss, M 10 Busbar center-to-center spacing mm 185 Busbar center-to-center spacing • 40 mm No • 50 mm No • 60 mm No • 100 mm No • 1185 mm Environmental conditions Ambient temperature • during operation / minimum °C -25 • during operation / maximum °C 55 Certificates Equipment marking • acc. to DIN EN 61346-2	• AC-22 B / at 400 V	kA	110
Arrangement of electrical connectors / for main current circuit Type of electrical connection / for main current circuit Mechanical Design Height mm 662 Width mm 99.5 Depth mm 195 mounting position Mounting type Flachanschluss, M 10 Busbar center-to-center spacing • 40 mm No • 50 mm No • 100 mm No • 185 mm Environmental conditions Ambient temperature • during operation / maximum • during operation / maximum • acc. to DIN EN 61346-2	• AC-22 B / at 500 V	kA	110
Arrangement of electrical connectors / for main current circuit Type of electrical connection / for main current circuit Mechanical Design Height mm 662 Width mm 99.5 Depth mm 195 mounting position Mounting type Flachanschluss, M 10 Busbar center-to-center spacing • 40 mm No • 50 mm No • 100 mm No • 185 mm Environmental conditions Ambient temperature • during operation / maximum • during operation / maximum • acc. to DIN EN 61346-2	Connections		
current circuit Type of electrical connection / for main current circuit Mechanical Design Height			Screw terminals
Height mm 662 Width mm 99.5 Depth mm 195 mounting position vertical Mounting type Flachanschluss, M 10 Busbar center-to-center spacing mm 185 Busbar center-to-center spacing No			
Height mm 662 Width mm 99.5 Depth mm 195 mounting position vertical Mounting type Flachanschluss, M 10 Busbar center-to-center spacing mm 185 Busbar center-to-center spacing No	Type of electrical connection / for main current circuit		screw-type terminals
Height mm 662 Width mm 99.5 Depth mm 195 mounting position vertical Mounting type Flachanschluss, M 10 Busbar center-to-center spacing mm 185 Busbar center-to-center spacing No	Mechanical Design		
Depth mounting position vertical Mounting type Flachanschluss, M 10 Busbar center-to-center spacing mm 185 Busbar center-to-center spacing • 40 mm • 50 mm • 60 mm • 100 mm • 185 mm Environmental conditions Ambient temperature • during operation / minimum • during operation / maximum • acc. to DIN EN 61346-2 Q		mm	662
mounting position Mounting type Busbar center-to-center spacing • 40 mm • 50 mm • 60 mm • 100 mm • 185 mm Environmental conditions Ambient temperature • during operation / minimum • acc. to DIN EN 61346-2 Vertical Flachanschluss, M 10 Flachanschluss, M 10 No No No • 185 No No No • 25 • Certificates Equipment marking • acc. to DIN EN 61346-2	Width	mm	99.5
Mounting type Busbar center-to-center spacing • 40 mm • 50 mm • 60 mm • 100 mm • 185 mm Environmental conditions Ambient temperature • during operation / minimum • "C • C Certificates Equipment marking • acc. to DIN EN 61346-2 PNo 185 mm 185 No No No No No C -25 C Q Q	Depth	mm	195
Busbar center-to-center spacing Busbar center-to-center spacing 40 mm No 50 mm No 100 mm No 185 mm No 185 mm No 185 mm No No 100 mm Ves Environmental conditions Ambient temperature during operation / minimum character of C 55 Certificates Equipment marking acc. to DIN EN 61346-2 Q	mounting position		vertical
Busbar center-to-center spacing • 40 mm • 50 mm • 60 mm • 100 mm • 185 mm Environmental conditions Ambient temperature • during operation / minimum ° C • during operation / maximum ° C Certificates Equipment marking • acc. to DIN EN 61346-2 Q			Flachanschluss, M 10
		mm	185
No 60 mm No 100 mm No 185 mm Yes Environmental conditions Ambient temperature during operation / minimum °C during operation / maximum °C 55 Certificates Equipment marking acc. to DIN EN 61346-2 Q			
• 60 mm • 100 mm • 185 mm Ves Environmental conditions Ambient temperature • during operation / minimum • during operation / maximum °C • 55 Certificates Equipment marking • acc. to DIN EN 61346-2 Q			
● 100 mm ● 185 mm Pres Environmental conditions Ambient temperature ● during operation / minimum °C -25 ● during operation / maximum °C 55 Certificates Equipment marking ● acc. to DIN EN 61346-2 Q			
Tenvironmental conditions Ambient temperature o during operation / minimum o C			
Environmental conditions Ambient temperature • during operation / minimum °C -25 • during operation / maximum °C 55 Certificates Equipment marking • acc. to DIN EN 61346-2			
Ambient temperature • during operation / minimum • C -25 • during operation / maximum ° C 55 Certificates Equipment marking • acc. to DIN EN 61346-2 Q	● 185 mm		Yes
 during operation / minimum during operation / maximum C -25 C 55 Certificates Equipment marking acc. to DIN EN 61346-2 Q	Environmental conditions		
• during operation / maximum C	Ambient temperature		
Certificates Equipment marking • acc. to DIN EN 61346-2 Q	during operation / minimum	°C	-25
Equipment marking ● acc. to DIN EN 61346-2 Q	during operation / maximum	°C	55
• acc. to DIN EN 61346-2			
• acc. to DIN EN 81346-2 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/3NJ41213BF11

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

http://support.automation.siemens.com/WW/view/en/3NJ41213BF11/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ41213BF11

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv

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