## **SIEMENS**

Data sheet 3NJ4123-3BF01



IN-LINE FUSE SWITCH DISCONNECTOR 3-POLE SWITCHABLE, SIZE 1, I=250A , U=690V, SCREW TERMINAL M 10 NEW DESIGN

Figure similar

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	3-pole switchable

General technical data		
Number of poles		3
Number of poles / Note		3-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	A <sup>2</sup> ·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	
Dissination			

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Active power loss

maximum	W	23
	V V	

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 / Ic / maximum permissible			
• 400 V	kA	28	
• 500V	kA	28	
cut-off value I**2t,max. / 400 V	A²-s	780 000	
Main circuit			
Operating voltage			
<ul> <li>with AC / at 50/60 Hz / Rated value</li> </ul>	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	
<ul><li>at AC-22 B / at 690 V / Rated value</li></ul>	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	
<ul> <li>EMERGENCY OFF switch</li> </ul>		No	

Suitability for operation	Plant protection
Suitability for use	
Main switch	No
<ul> <li>switch disconnector</li> </ul>	Yes
<ul> <li>EMERGENCY OFF switch</li> </ul>	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     AC-22 B / at 500 V  Connections  Arrangement of electrical connectors / for main current circuit  Type of electrical connection / for main current circuit  Screw-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 • 1100 mm • 185 mm  Environmental conditions  Ambient temperature • during operation / minimum °C -25 • 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 • 1100 mm • 185 mm  Environmental conditions  Ambient temperature • during operation / minimum °C -25 • 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   mm  185  mm  No  No  No  No  No  Pes  Certificates  Flachanschluss, M 10  No  No  C  C  S  Certificates  Flachanschluss, M 10  Textificates  Flachanschluss, M 10  Textificates  Flachanschluss, M 10  No  No  No  No  C  C  -25  Certificates  Equipment marking  • acc. to DIN EN 61346-2	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	● 185 mm		Yes
<ul> <li>during operation / minimum</li> <li>during operation / maximum</li> <li>C -25</li> <li>C 55</li> </ul> Certificates Equipment marking <ul> <li>acc. to DIN EN 61346-2</li> </ul> Q	Environmental conditions		
• during operation / maximum     C	Ambient temperature		
Certificates  Equipment marking  • acc. to DIN EN 61346-2  Q	<ul><li>during operation / minimum</li></ul>	°C	-25
Equipment marking  ● acc. to DIN EN 61346-2  Q	<ul><li>during operation / maximum</li></ul>	°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/3NJ41233BF01

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

http://support.automation.siemens.com/WW/view/en/3NJ41233BF01/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3NJ41233BF01

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://ausschreibungstexte.siemens.com/tiplv

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