## **SIEMENS**

Data sheet 3NP1133-1JC10



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00, 160A 60MM BUSBAR SYSTEM COVERS FOR RITTAL FLAT CONNECTOR

Model			
product brand name	SENTRON		
Product designation	Fuse switch disconnector		
Design of the product	3-pole		
Busbar design	busbar thickness 5 or 10 mm		
Design of the operating mechanism	handle unit		
Design of the load switch / Strip form	No		
Type of the driving mechanism / motor drive	No		

General technical data			
Number of poles		3	
Type of device		snap on mount on busbar system eib Rittal 60 mm	
Size of disconnecting link		00 and 000	
Size of fuse link		NH000, NH00	
Continuous current / at 35 °C / Rated value	Α	160	
Let-through current / with closed switch / maximum permissible	kA	23	
cut-off value I**2t,max. / 500 V	A²·s	158 000	
I2t value / with closed switch / maximum permissible	kA2.s	158	
Power factor			

	0.65 0.45 -0.25 3NP11
	-0.25
	3NP11
	UNI II
	2 000
	LV HRC fuse
V	690
	0.95
kV	8
	IP40
	11 40
	IP30
	IP40
	IP20
W	12
	160
	155
	145
	140
Α	133
kA	15
Α	23 000
Α	23 000
A <sup>2</sup> ·s	158 000
V	690
V	440
V	440
Α	160
	kV  W  A  A  A  A  kA  V  V

• at AC-21 B / at 500 V / Rated value	Α	160
• at AC-21 B / at 690 V / Rated value	Α	160
• at AC-22 B / at 400 V / Rated value	Α	160
• at AC-22 B / at 500 V / Rated value	Α	160
• at AC-22 B / at 690 V / Rated value	Α	125
• at AC-23 B / at 400 V / Rated value	Α	160
• at AC-23 B / at 500 V / Rated value	Α	63
• at AC-23 B / at 690 V / Rated value	Α	35
• at DC-21 B / at 240 V / Rated value / maximum	Α	160
• at DC-21 B / at 440 V / Rated value / maximum	Α	160
• at DC-22 B / at 240 V / Rated value / maximum	Α	160
• at DC-22 B / at 440 V / Rated value / maximum	Α	125
• at DC-23 B / at 240 V / Rated value / maximum	Α	100
• at DC-23 B / at 440 V / Rated value / maximum	Α	63
• with capacitive load / at 400 V / maximum	Α	72
• with capacitive load / at 500 V / maximum	Α	55
Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Suitability		
Suitability for use		
Main switch		No
<ul> <li>switch disconnector</li> </ul>		Yes
<ul> <li>EMERGENCY OFF switch</li> </ul>		No
• safety switch		Yes
maintenance/repair switch		Yes
Product details		
Product feature / interlock		Yes
Product component		
Trip indicator		No
Phase failure monitoring		No
undervoltage release		No
undervoltage release with leading contact		No
Product property / sealable		Yes
Product expansion		
Auxiliary switch		Yes
• optional		
•		Yes Yes No

— Phase failure monitoring		Yes	
— fuse monitoring		Yes	
— Voltage trigger		No	
Overvoltage protection monitoring		Yes	
• • •			
Product function  Product function			
		No	
• fuse monitoring			
Overvoltage protection monitoring		No	
Short circuit			
Conditional short-circuit current (Iq)			
Rated value	kA	80	
<ul> <li>at AC / at 500 V / with high-speed activation / Rated value</li> </ul>	kA	80	
<ul> <li>at AC / at 690 V / with high-speed activation / Rated value</li> </ul>	kA	80	
<ul> <li>with closed switch / at AC / at 500 V / Rated value</li> </ul>	kA	120	
• with closed switch / at AC / at 690 V / Rated value	kA	120	
Connections			
Arrangement of electrical connectors / for main		other	
current circuit			
Connectable conductor cross-section / for main contacts			
• single or multi-stranded / minimum	mm²	2.5	
• single or multi-stranded / maximum	mm²	95	
• stranded / minimum	mm²	2.5	
• stranded / maximum	mm²	95	
Tightening torque / with screw-type terminals			
• minimum	N·m	10	
• maximum	N·m	12	
Type of electrical connection / for main current circuit		flat connector	
Mechanical Design			
Height	mm	215.1	
Width	mm	105.8	
Depth	mm	134.5	
mounting position		horizontally or vertically	
Mounting type		busbar mounting	
Mounting type			
• floor mounting		No	
• front mounting		No	

• front mounting with 4-hole attachment		No
• front mounting with central attachment		No
• rail mounting		Yes
Busbar center-to-center spacing	mm	60
Net weight	kg	0.98

Environmental conditions			
Degree of pollution		3	
Ambient temperature			
<ul><li>during operation / minimum</li></ul>	°C	-25	
<ul><li>during operation / maximum</li></ul>	°C	55	
<ul><li>during storage / minimum</li></ul>	°C	-50	
<ul><li>during storage / maximum</li></ul>	°C	80	

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## **Equipment marking**

Q • acc. to DIN EN 61346-2 Q • acc. to DIN EN 81346-2

General Product Approval	Declaration of	Test Certificates
	Conformity	









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## **Shipping Approval**







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LRS

## 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/3NP11331JC10

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

http://support.automation.siemens.com/WW/view/en/3NP11331JC10/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3NP11331JC10

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://ausschreibungstexte.siemens.com/tiplv



