SIEMENS

Data sheet

3NP1133-1JC11



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

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 safety monitoring		electro mechanical				
Design of the operating mechanism		handle unit				
Design of the load switch / Strip form		No				
Гуре 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	А	160				

Size of fuse link		NH000, NH00
Continuous current / at 35 °C / Rated value	А	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		
• at AC-22 B		0.65
• at AC-23 B		0.45
 with capacitive load 		-0.25
circuit-breaker / Design		3NP11
Mechanical service life (switching cycles) / typical		2 000

Fuse system		LV HRC fuse
Voltage		
Insulation voltage / Rated value	V	690
Power factor / at AC-21 B		0.95
Surge voltage resistance / Rated value	kV	8
Protection class		
Protection class IP		
 with closed switch / with cover or cable lug 		IP40
cover		1500
with closed switch / without cover or cable lug		IP30
on the front		IP40
		IP20
• open		IFZU
Dissipation		
Active power loss		
• maximum	W	12
Electricity		
Continuous current		
Rated value	А	160
• at 40 °C / Rated value	А	155
● at 45 °C / Rated value	А	145
● at 50 °C / Rated value	А	140
• at 55 °C / Rated value	А	133
Let-through current / with high-speed activation / maximum permissible	kA	15
Let-through current / Ic / maximum permissible		
• 400 V	А	23 000
• 500V	А	23 000
cut-off value I**2t,max. / 400 V	A²·s	158 000
Main circuit		
Operating voltage		
 with AC / Rated value / minimum 	V	24
 with AC / Rated value / maximum 	V	690
• for DC / Rated value	V	250
 for DC / Rated value / minimum 	V	24
 for DC / Rated value / maximum 	V	250
Operating current		
• at AC-21 B / at 400 V / Rated value	А	160
• at AC-21 B / at 500 V / Rated value	А	160
• at AC-21 B / at 690 V / Rated value	А	160

• at AC-22 B / at 400 V / Rated value	А	160
• at AC-22 B / at 500 V / Rated value	А	160
• at AC-22 B / at 690 V / Rated value	А	125
• at AC-23 B / at 400 V / Rated value	А	160
• at AC-23 B / at 500 V / Rated value	А	63
• at AC-23 B / at 690 V / Rated value	А	35
• at DC-21 B / at 240 V / Rated value / maximum	А	160
• at DC-21 B / at 440 V / Rated value / maximum	А	160
• at DC-22 B / at 240 V / Rated value / maximum	А	160
• at DC-22 B / at 440 V / Rated value / maximum	А	125
• at DC-23 B / at 240 V / Rated value / maximum	А	100
• at DC-23 B / at 440 V / Rated value / maximum	А	63
• with capacitive load / at 400 V / maximum	А	72
 with capacitive load / at 500 V / maximum 	А	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
switch disconnector		Yes
EMERGENCY OFF switch		No
safety switch		Yes
maintenance/repair switch		Yes
		165
Product details		
Product feature / interlock		Yes
Product component		
Trip indicator		Yes
Phase failure monitoring		No
undervoltage release		No
 undervoltage release with leading contact 		No
Product property / sealable		Yes
Product expansion		
Auxiliary switch		Yes
• optional		
— locking capability		Yes
— motor drive		No
— Phase failure monitoring		Yes
— Voltage trigger		No

	Yes		
	Yes		
	No		
kA	80		
kA	80		
kA	80		
kA	120		
kA	120		
	other		
mm²	2.5		
mm²	95		
mm²	2.5		
mm²	95		
N∙m	10		
N∙m N∙m	10 12		
	12		
	12		
N∙m	12 flat connector		
N·m mm	12 flat connector 215.1		
	kA kA kA kA mm ² mm ²		

Mounting type

Mounting type

• floor mounting

• front mounting

• rail mounting

• front mounting with 4-hole attachment

• front mounting with central attachment

busbar mounting

No

No

No No

Yes

Busbar center-to-cer	nter spacing		mm	60		
Environmental cond	litions					
Ambient temperature	Э					
 during operation 	on / minimum		°C	-25		
 during operation 	on / maximum		°C	55		
 during storage 	/ minimum		°C	-50		
 during storage 	/ maximum		°C	80		
Certificates						
Equipment marking						
• acc. to DIN EN 61346-2			Q			
• acc. to DIN EN 81346-2 Q			Q			
General Product Approval						
СВ		PG	5			FAC
СВ	ССС	GOST	_	UR	UL	6116
Declaration of	Test	Shipping Approval				
Conformity	Certificates					
(F	Type Test Certificates/Test Report	ĴÅ	G		Lloyd's Register	
		DINV				

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/3NP11331JC11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3NP11331JC11/all

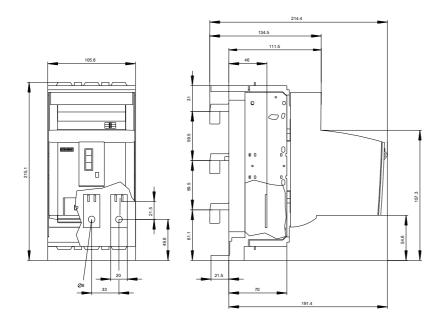
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP11331JC11

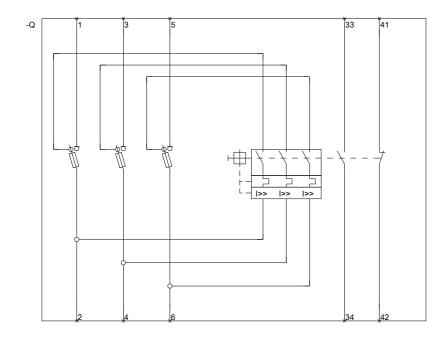
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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