

Number of poles

3



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00,
160A MOUNTING PLATE CONSTRUCTION COVER LEVEL
45 MM FLAT CONNECTOR FUSE MONITORING
ELECTROMECHANICAL

Similar to image

General technical details:

product brand name	SENTRON
Product designation	Fuse switch disconnecter
Fuse system	LV HRC fuse
Installation size of fuse-link	NH000, NH00
Installation size of disconnecting link	00 and 000
Type from device	Auf- und Einbau
Design of the product	3-pole
Design of the operating mechanism	handle unit
Type of the driving mechanism / motor drive	No
Design of the safety monitoring	elektromechanisch
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0
Number of changeover contacts / for auxiliary contacts	0
Design of the load switch / Strip form	No
Product equipment / interlock	Yes
Product feature / sealable	Yes
Product component	

• phase failure monitoring		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
• trip indicator		Yes
Acceptability for application		
• switch disconnecter		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
Product function		
• fuse monitoring		Yes
• overvoltage protection monitoring		No
Product extension		
• auxiliary switch		Yes
• optional		
• phase failure monitoring		Yes
• voltage trigger		No
• overvoltage protection monitoring		Yes
• locking capability		Yes
• motor drive		No
Continuous current		
• rated value	A	160
• at 35 °C / rated value	A	160
• at 40 °C / rated value	A	155
• at 45 °C / rated value	A	145
• at 50 °C / rated value	A	140
• at 55 °C / rated value	A	133
Operating current		
• at AC-21 B		
• at 400 V / rated value	A	160
• at 500 V / rated value	A	160
• at 690 V / rated value	A	160
• at AC-22 B		
• at 400 V / rated value	A	160
• at 500 V / rated value	A	160
• at 690 V / rated value	A	125
• at AC-23 B		
• at 400 V / rated value	A	160
• at 500 V / rated value	A	63

<ul style="list-style-type: none"> • at 690 V / rated value 	A	35
<ul style="list-style-type: none"> • at DC-21 B 		
<ul style="list-style-type: none"> • at 240 V / rated value / maximum 	A	160
<ul style="list-style-type: none"> • at 440 V / rated value / maximum 	A	160
<ul style="list-style-type: none"> • at DC-22 B 		
<ul style="list-style-type: none"> • at 240 V / rated value / maximum 	A	160
<ul style="list-style-type: none"> • at 440 V / rated value / maximum 	A	125
<ul style="list-style-type: none"> • at DC-23 B 		
<ul style="list-style-type: none"> • at 240 V / rated value / maximum 	A	100
<ul style="list-style-type: none"> • at 440 V / rated value / maximum 	A	63
<ul style="list-style-type: none"> • with capacitive load 		
<ul style="list-style-type: none"> • at 400 V / maximum 	A	72
<ul style="list-style-type: none"> • at 500 V / maximum 	A	55
Let-through current		
<ul style="list-style-type: none"> • with speedy activation / maximum permissible 	kA	15
<ul style="list-style-type: none"> • with closed switch / maximum permissible 	kA	23
Conditional short-circuit current (I_q)		
<ul style="list-style-type: none"> • rated value 	kA	80
<ul style="list-style-type: none"> • at 500 V / with AC / with speedy activation / rated value 	kA	80
<ul style="list-style-type: none"> • at 690 V / with AC / with speedy activation / rated value 	kA	80
<ul style="list-style-type: none"> • with closed switch 		
<ul style="list-style-type: none"> • at 500 V / with AC / rated value 	kA	120
<ul style="list-style-type: none"> • at 690 V / with AC / rated value 	kA	120
Operating voltage / for DC / rated value	V	250
Tension d'emploi		
<ul style="list-style-type: none"> • for AC / rated value 	V	24 ... 690
<ul style="list-style-type: none"> • for DC / rated value 	V	24
<ul style="list-style-type: none"> • maximum 	V	250
Power factor		
<ul style="list-style-type: none"> • at AC-21 B 		0.95
<ul style="list-style-type: none"> • at AC-22 B 		0.65
<ul style="list-style-type: none"> • at AC-23 B 		0.45
<ul style="list-style-type: none"> • with capacitive load 		-0.25
Active power loss / maximum	W	12
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
I²t value / with closed switch / maximum permissible	kA ² ·s	158
Item designation		
<ul style="list-style-type: none"> • according to DIN EN 61346-2 		Q
<ul style="list-style-type: none"> • according to DIN EN 81346-2 		Q

Connection elements and terminals:

Design of the electrical connection / for main current circuit		flat connector
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Conductor cross section that can be connected / for main contacts

• single- or multi-stranded	mm ²	2.5 ... 95
• stranded	mm ²	2.5 ... 95

Tightening torque

• with screw-type terminals	N·m	10 ... 12
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Arrangement of electrical connectors / for main current circuit

sonstige

Degree of protection and safety class:**IP degree of protection**

• open	IP20
• on the front	IP40
• with closed switch	
• without cover or cable lug cover	IP30
• with cover or cable lug cover	IP40

Degree of pollution

3

Mechanical operating cycles as operating time / typical

2,000

Ambient conditions:**Ambient temperature**

• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80

Installation/mounting/dimensions:**Mounting type**

• rail mounting	floor mounting
• front mounting	No
• front mounting with central attachment	No
• front mounting with 4-hole attachment	No
• floor mounting	Yes

mounting position

waagerecht oder senkrecht

Width

mm 105.8

Height

mm 202

Depth

mm 165.5

Net weight

kg 1.17

Certificates/approvals:



CB



CCC



GOST



UL



UR



EG-Konf.

Test Certificates

Shipping Approval

[Type Test
Certificates/Test
Report](#)



DNV



GL



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/3NP1133-1CA11>

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

<http://support.automation.siemens.com/WW/view/en/3NP1133-1CA11/all>

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

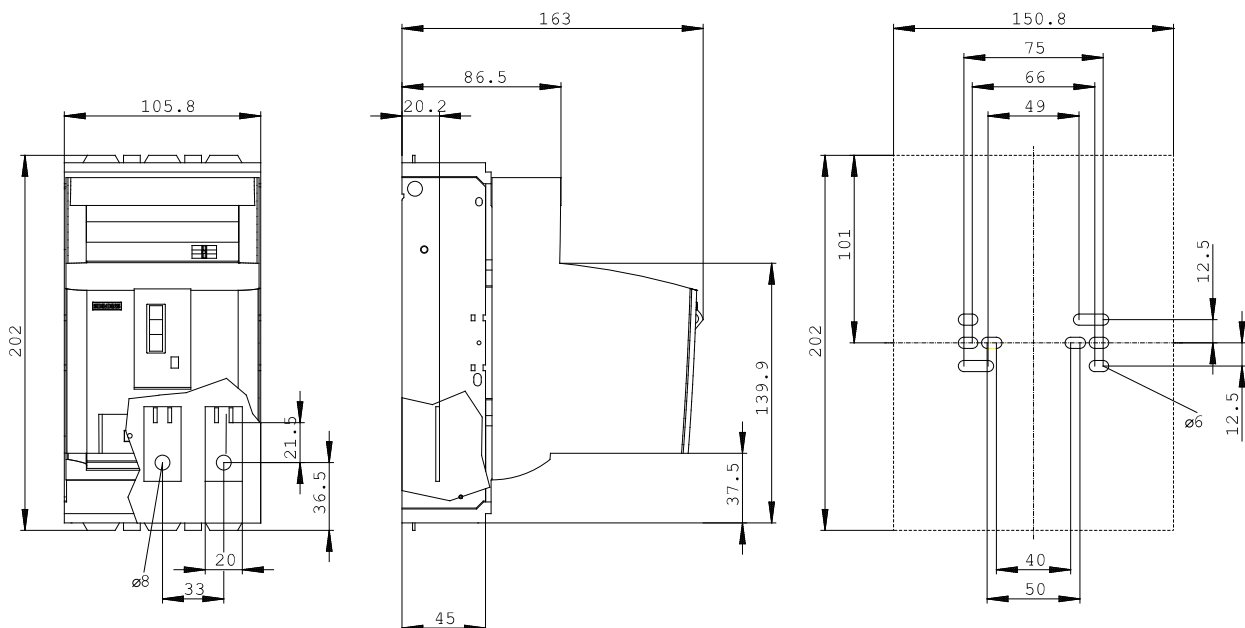
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1133-1CA11

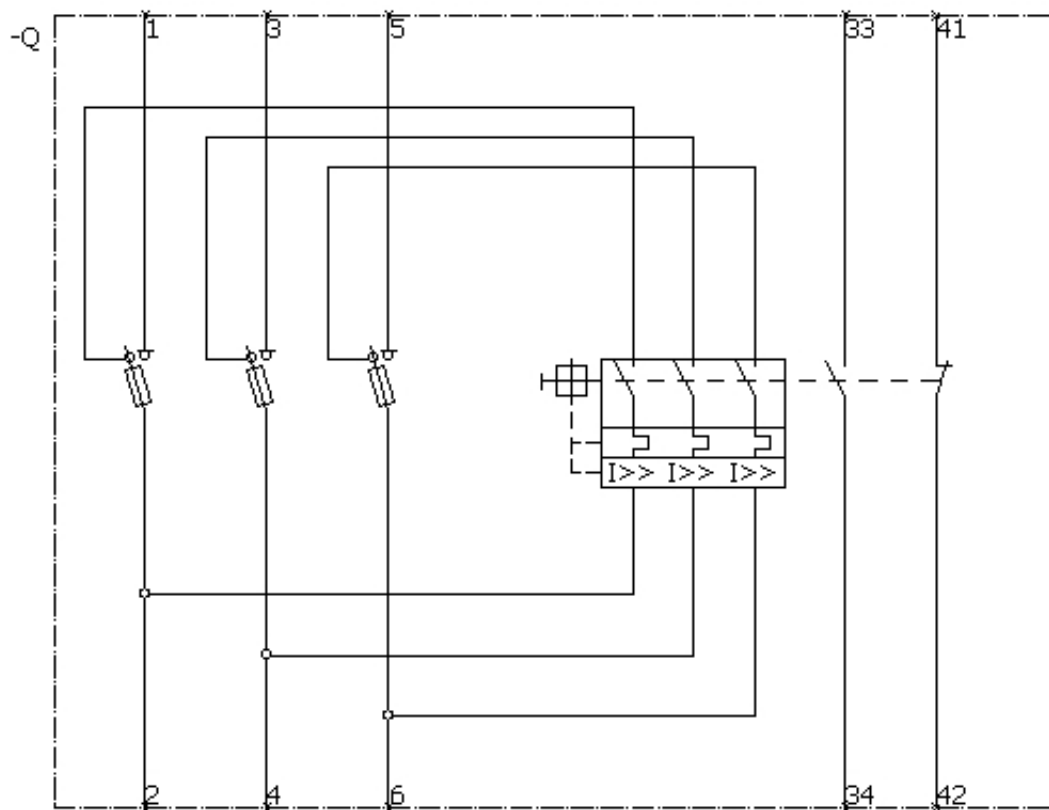
CAx-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)





last change:

Mar 31, 2014