



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00,
160A MOUNTING PLATE CONSTRUCTION COVER LEVEL
45 MM BOX TERMINAL

Similar to image

General technical details:		
product brand name		SETRON
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 operating mechanism		handle unit
Type of the driving mechanism / motor drive		No
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		No

Acceptability for application • switch disconnecter • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch		Yes
		No
		No
		Yes
		Yes
Product function • fuse monitoring • overvoltage protection monitoring		No
		No
Product extension • auxiliary switch • optional • fuse monitoring • phase failure monitoring • voltage trigger • overvoltage protection monitoring • locking capability • motor drive		Yes
		Yes
		Yes
		No
		Yes
		Yes
		No
		No
Continuous current • rated value • at 35 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 50 °C / rated value • at 55 °C / rated value	A	160
	A	160
	A	155
	A	145
	A	140
	A	133
Operating current • at AC-21 B • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value • at AC-22 B • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value • at AC-23 B • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value • at DC-21 B • at 240 V / rated value / maximum	A	160
	A	160
	A	160
	A	160
	A	160
	A	160
	A	125
	A	160
	A	160
	A	160
	A	63
	A	35
	A	160

• at 440 V / rated value / maximum	A	160
• at DC-22 B		
• at 240 V / rated value / maximum	A	160
• at 440 V / rated value / maximum	A	125
• at DC-23 B		
• at 240 V / rated value / maximum	A	100
• at 440 V / rated value / maximum	A	63
• with capacitive load		
• at 400 V / maximum	A	72
• at 500 V / maximum	A	55
Let-through current		
• with speedy activation / maximum permissible	kA	15
• with closed switch / maximum permissible	kA	23
Conditional short-circuit current (I_q)		
• rated value	kA	80
• at 500 V / with AC / with speedy activation / rated value	kA	80
• at 690 V / with AC / with speedy activation / rated value	kA	80
• with closed switch		
• at 500 V / with AC / rated value	kA	120
• at 690 V / with AC / rated value	kA	120
Tension d'emploi		
• for AC / rated value	/ V	690
• for DC / rated value		
• maximum	V	440
Power factor		
• at AC-21 B		0.95
• at AC-22 B		0.65
• at AC-23 B		0.45
• with capacitive load		-0.25
Active power loss / maximum	W	12
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
I_{2t} value / with closed switch / maximum permissible	kA ² ·s	158
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN EN 81346-2		Q

Connection elements and terminals:

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

• solid	mm ²	6 ... 70
• stranded	mm ²	6 ... 70
• stranded wire / with conductor end processing	mm ²	6 ... 50
Type of connectable conductor cross-sections / of laminated conductors		
• maximum		9 x 8 mm
Tightening torque		
• with screw-type terminals	N·m	10 ... 10
Arrangement of electrical connectors / for main current circuit		sonstige

Degree of protection and safety class:

Protection class IP		
• 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:

Type of mounting		floor mounting
• Rail installation		No
• front mounting		No
• front mounting with central fixation		No
• front mounting with 4-hole fixation		No
• floor mounting		Yes
mounting position		waagrecht oder senkrecht
Width	mm	105.8
Height	mm	202
Depth	mm	86.5
Net weight	kg	0.73

Certificates/approvals:

General Product Approval					Declaration of Conformity
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CB

CB



CCC



GOST



UL



UR



EG-Konf.

Test Certificates	Shipping Approval				
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[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/3NP1133-1CA20>

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

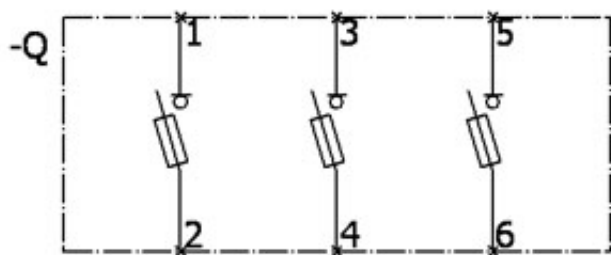
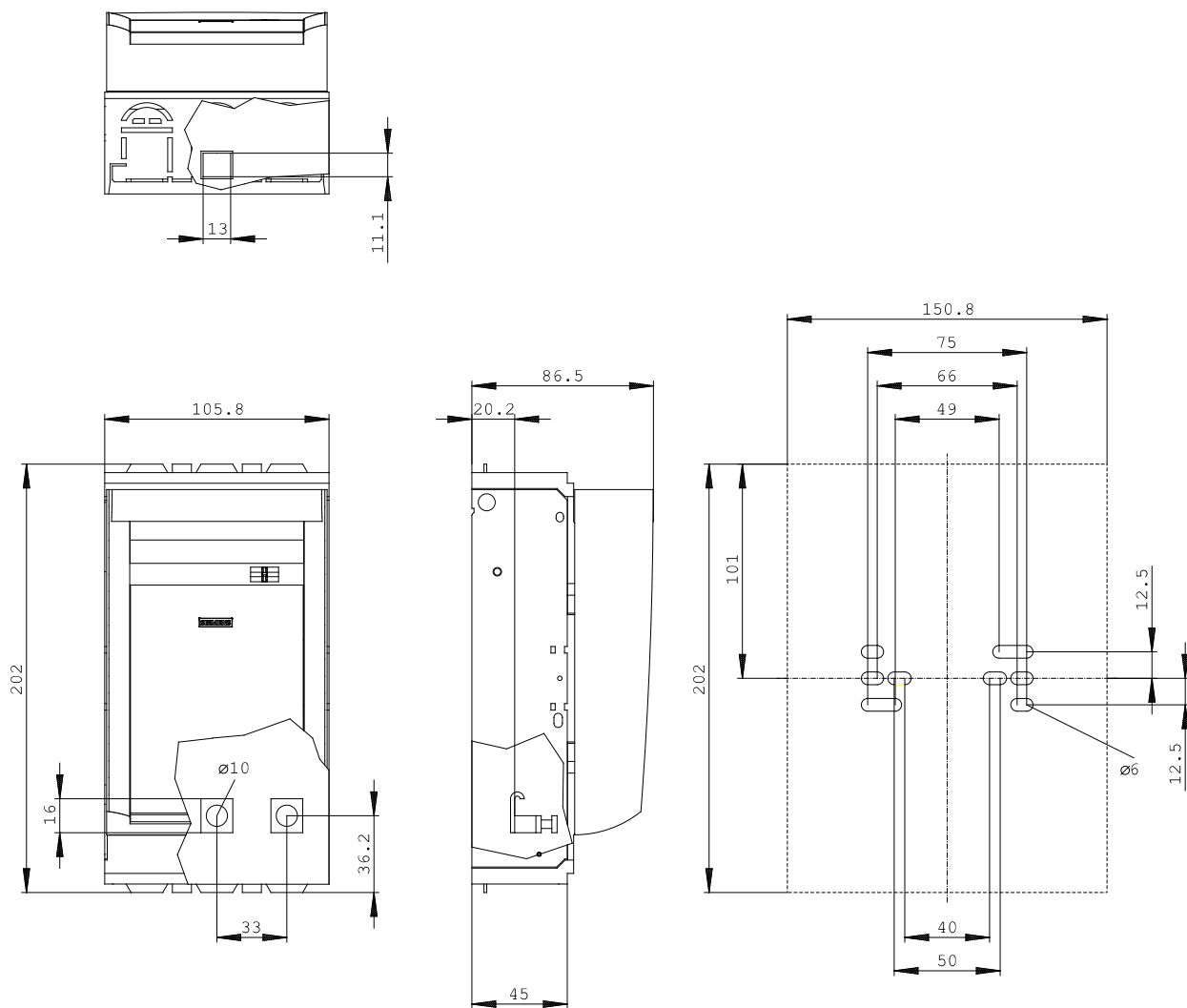
<http://support.automation.siemens.com/WW/view/en/3NP1133-1CA20/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1133-1CA20

CAX-Online-Generator

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



last change:

Aug 12, 2013