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FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00,
160A 40MM BUSBAR SYSTEM COVERS FOR RITTAL BOX
TERMINAL FUSE MONITORING ELECTROMECHANICAL

General technical details:

Number of poles	3
product brand name	SETRON
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	Zum Aufsnappen auf Sammelschienensystem Rittal 40 mm
Design of the product	3-pole
Busbar design	Sammelschienendicke 5 oder 10 mm
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
• at 690 V / rated value	A	35
• at DC-21 B		
• at 240 V / rated value / maximum	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
Operating voltage / for DC / rated value		
	V	250
Tension d'emploi		
• for AC / rated value	V	24 ... 690
• for DC / rated value	V	24
• maximum	V	250
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
I²t value / with closed switch / maximum permissible		
	kA ² ·s	158
Item designation		

- according to DIN EN 61346-2
- according to DIN EN 81346-2

Q
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

- single- or multi-stranded
- stranded
- stranded wire / with conductor end processing

mm² 6 ... 70
mm² 6 ... 70
mm² 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
- on the front
- with closed switch
 - without cover or cable lug cover
 - with cover or cable lug cover

IP20
IP40
IP30
IP40

Degree of pollution

3

Mechanical operating cycles as operating time / typical

2,000

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C -25 ... +55
°C -50 ... +80

Installation/mounting/dimensions:

Mounting type

- rail mounting
- front mounting
- front mounting with central attachment
- front mounting with 4-hole attachment
- floor mounting

busbar mounting
Yes
No
No
No
No

mounting position

waagrecht oder senkrecht

Width

mm 105.8

Height

mm 215.1

Depth

mm 213.5

Largeur		
• du jeu de barres	mm	12 ... 15
Center line spacing	mm	40
Net weight	kg	1.42

Certificates/approvals:

General Product Approval

Declaration of Conformity



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/3NP1133-1JB21>

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

<http://support.automation.siemens.com/WW/view/en/3NP1133-1JB21/all>

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

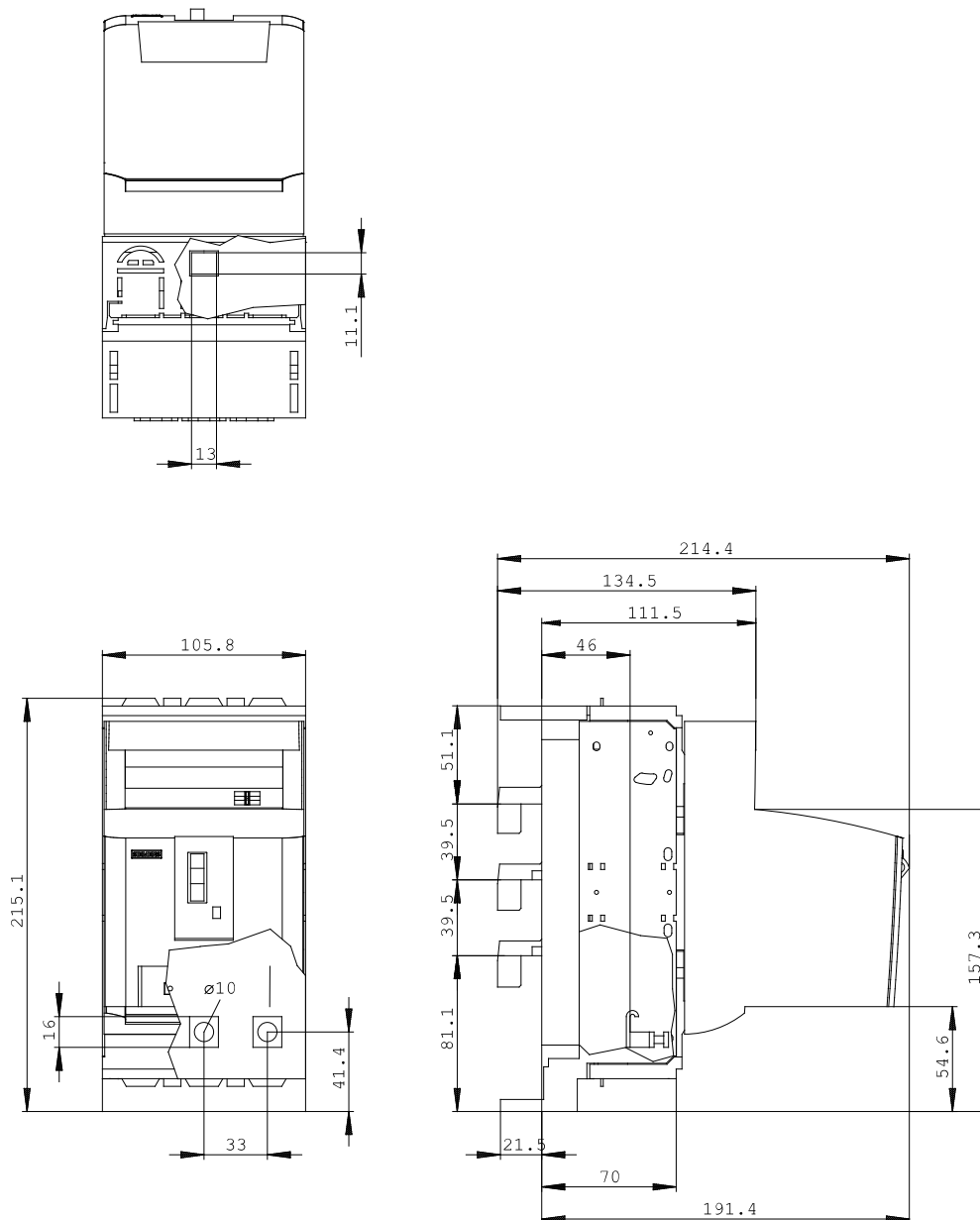
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1133-1JB21

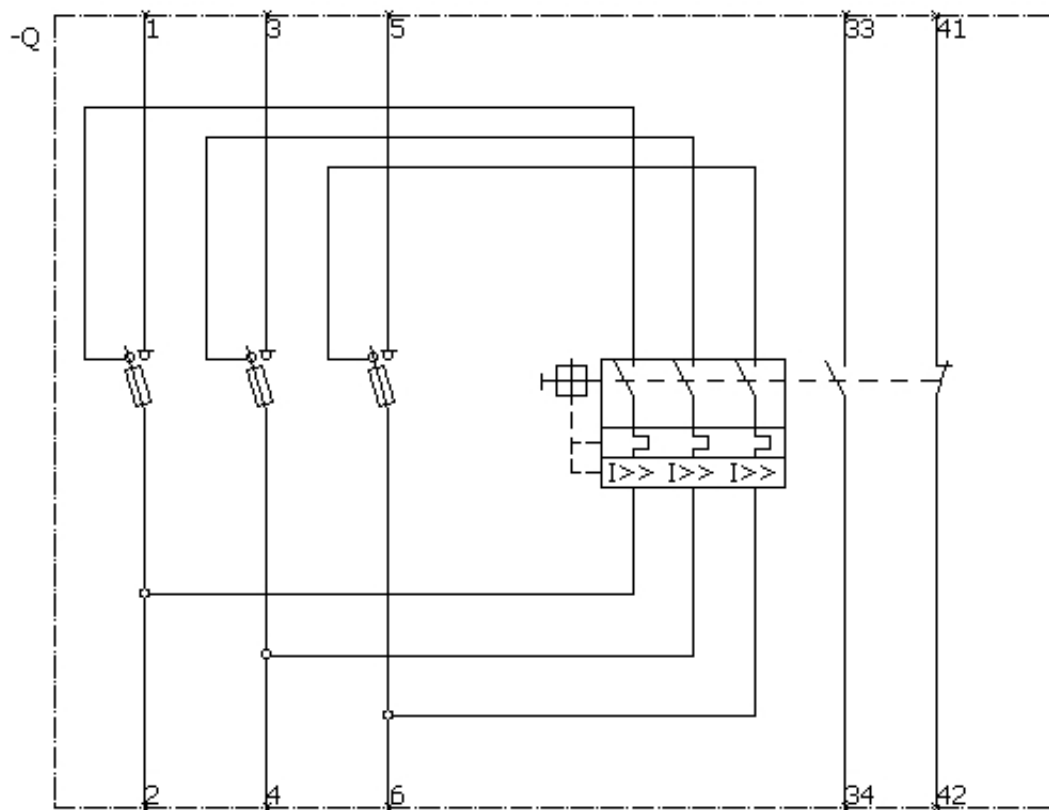
CAX-Online-Generator

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

Tender specifications

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





last change:

Jul 7, 2014