



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH000,
160A 40MM BUSBAR SYSTEM COVERS FOR RITTAL BOX
TERMINAL

Similar to image

General technical details:

Number of poles	3
product brand name	SENTRON
Product designation	Fuse switch disconnector
Fuse system	LV HRC fuse
Installation size of fuse-link	NH000
Installation size of disconnecting link	000
Type from device	Zum Aufschnappen 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
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 • undervoltage release mechanism • undervoltage release with leading contact • trip indicator		No
		No
		No
		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	100
	A	160
	A	150
	A	140
	A	130
	A	120
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	A	160
	A	160
	A	160
	A	160
	A	160
	A	125
	A	50

• at 400 V / rated value	A	160
• at 500 V / rated value	A	40
• at 690 V / rated value	A	25
• at DC-21 B		
• at 240 V / rated value / maximum	A	160
• at 440 V / rated value / maximum	A	100
• at DC-22 B		
• at 240 V / rated value / maximum	A	100
• at 440 V / rated value / maximum	A	50
• at DC-23 B		
• at 240 V / rated value / maximum	A	80
• at 440 V / rated value / maximum	A	25
• with capacitive load		
• at 400 V / maximum	A	72
• at 500 V / maximum	A	55
Let-through current		
• with speedy activation / maximum permissible	kA	10
• with closed switch / maximum permissible	kA	15
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	440
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	9
Insulation voltage / rated value		
	V	690
Impulse voltage resistance / rated value		
	kV	8
I²t value / with closed switch / maximum permissible		
	kA ² ·s	56
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 1.5 ... 50
mm² 1.5 ... 50
mm² 1.5 ... 35

Type of connectable conductor cross-sections / of laminated conductors

- maximum

8 x 8 mm

Tightening torque

- with screw-type terminals

N·m 10 ... 12

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 88.8

Height

mm 210.4

Depth

mm 124.6

Largeur		
• du jeu de barres	mm	12 ... 15
Center line spacing	mm	40
Net weight	kg	0.82

Certificates/approvals:

General Product Approval

Declaration of Conformity



CB



CCC



GOST



UL



UR



EG-Konf.

Test Certificates

Shipping Approval

[Special Test Certificate](#)

[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/3NP1123-1JB20>

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

<http://support.automation.siemens.com/WW/view/en/3NP1123-1JB20/all>

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

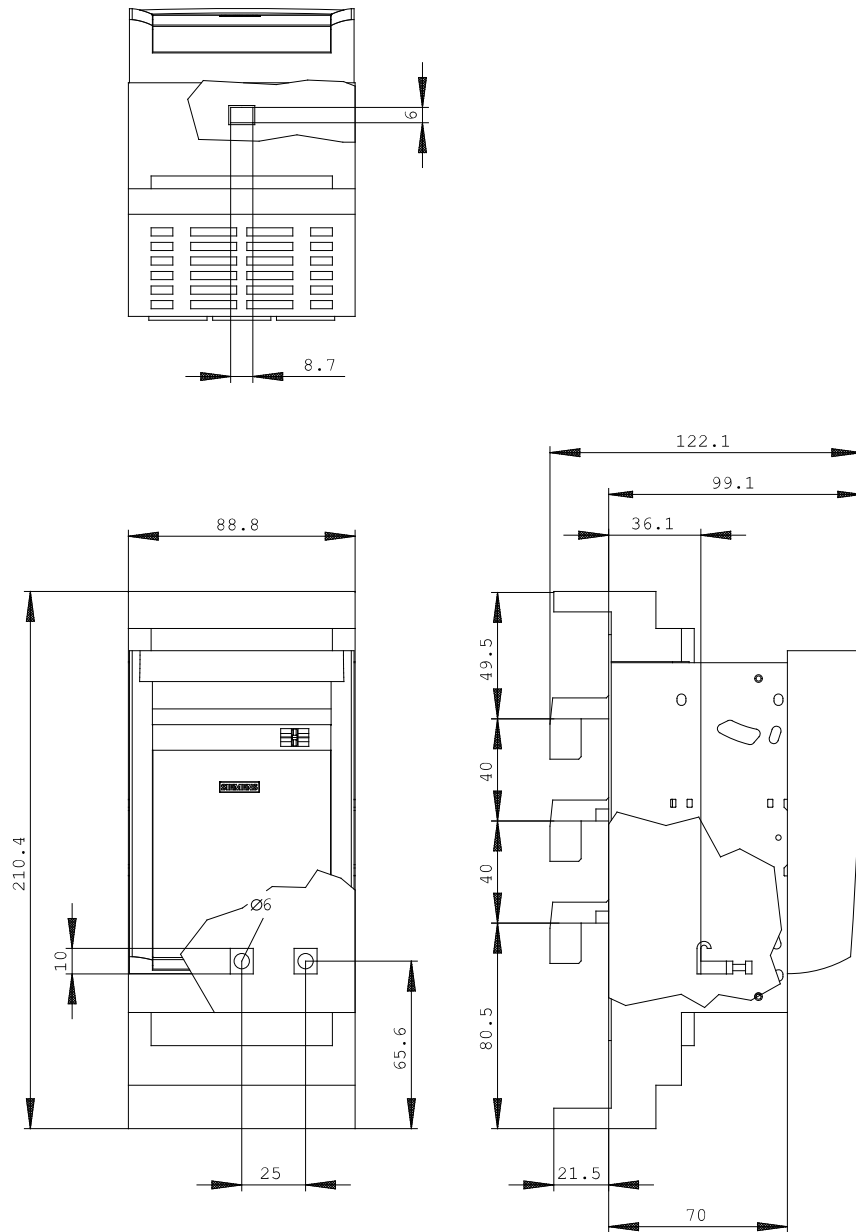
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1123-1JB20

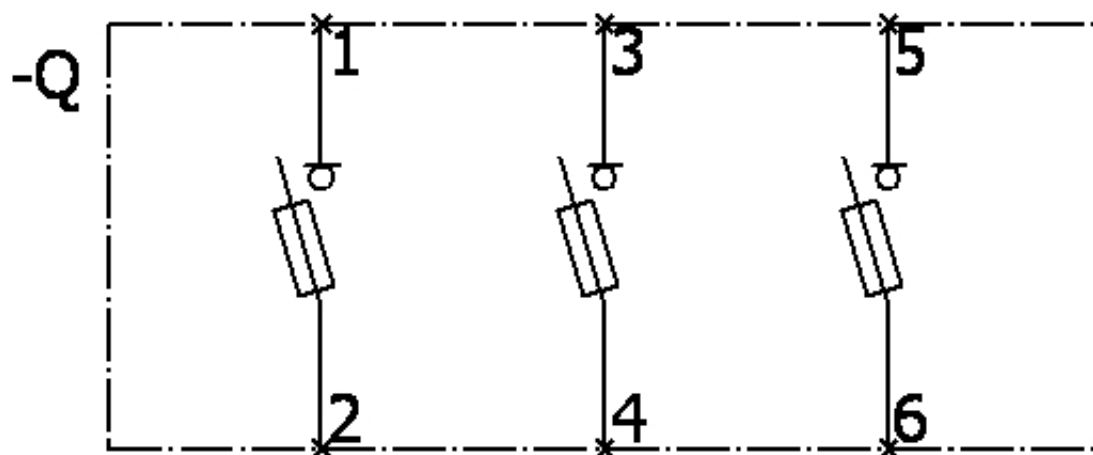
CAX-Online-Generator

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

Tender specifications

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





last change:

Jul 7, 2014