



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH1,
250A 60MM BUSBAR SYSTEM COVER LEVEL 32/70 MM
FLAT CONNECTOR

Similar to image

General technical details:

Type from device		Zum Aufsnappen auf Sammelschienensystem Siemens 8US 60 mm
mounting position		waagrecht oder senkrecht
Width	mm	183.7
Height	mm	306
Depth	mm	141
Center line spacing	mm	60
Busbar design		Sammelschienendicke 5 oder 10 mm
Continuous current		
• at 40 °C / rated value	A	245
• at 45 °C / rated value	A	240
• at 50 °C / rated value	A	233
• at 55 °C / rated value	A	233
Operational current		
• at AC-21 B		
• at 400 V / rated value	A	250
• at 500 V / rated value	A	250
• at 690 V / rated value	A	250
• at AC-22 B / at 400 V / rated value	A	250

Rated current I_e / maximum / in utilization category		
• AC-22 B		
• at 500 V	A	250
• at 690 V	A	250
• AC-23 B		
• at 400 V	A	250
• at 500 V	A	200
• at 690 V	A	100
• Capacitor		
• at 400 V	A	72
• at 500 V	A	55
Operational current		
• at DC-21 B		
• at 240 V / rated value / maximum	A	250
• at 440 V / rated value / maximum	A	250
• at DC-22 B		
• at 240 V / rated value / maximum	A	250
• at 440 V / rated value / maximum	A	200
• at DC-23 B		
• at 240 V / rated value / maximum	A	200
• at 440 V / rated value / maximum	A	100
Conditional short-circuit current (I_q)		
• at 500 V / with AC / with speedy activation / rated value	kA	80
• at 690 V / with AC / with speedy activation / rated value	kA	50
• with closed switch		
• at 500 V / with AC / rated value	kA	120
• at 690 V / with AC / rated value	kA	100
Operating voltage / for DC / rated value	V	440
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
Tension d'emploi		
• sous AC		
• rated value	/ V	690
• for DC		
• rated value	/ 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

I_{2t} value / with closed switch / maximum permissible	kA ² ·s	780
Let-through current		
• with speedy activation / maximum permissible	kA	25
• with closed switch / maximum permissible	kA	32
Design of the load switch / Strip form		No
Fuse system		LV HRC fuse
Installation size of fuse-link		NH0, NH1
Installation size of disconnecting link		1 and 0
Active power loss / maximum	W	23
Product expansion / optional / fuse monitoring		Yes
Product component / phase failure monitoring		No
Product extension / optional		
• phase failure monitoring		Yes
• voltage trigger		No
• overvoltage protection monitoring		Yes
• locking capability		Yes
Product component		
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
Product function / overvoltage protection monitoring		No
Product feature / sealable		Yes
Type of the driving mechanism / motor drive		No
Design of the electrical connection / for main current circuit		flat connector
Arrangement of electrical connectors / for main current circuit		sonstige
Conductor cross-section that can be connected / for main contacts		
• solid	mm ²	16 ... 150
• stranded	mm ²	16 ... 150
Tightening torque		
• with screw-type terminals	N·m	10 ... 12
Product extension / auxiliary switch		Yes
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of change-over switches / for auxiliary contacts		0
Acceptability for application		
• switch disconnecter		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes

Type of mounting • Rail installation • front mounting • floor mounting		busbar mounting Yes No No
Largeur • du jeu de barres	mm	12 ... 30
IP degree of protection • open • with closed switch • without cover or cable lug cover • with cover or cable lug cover		IP20 IP30 IP40
Degree of pollution		3
Mechanical operating cycles as operating time / typical		1,600
Item designation / according to DIN EN 61346-2		Q

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C	-25 ... +55
°C	-50 ... +80

Certificates/approvals:

General Product Approval



CCC



GOST



UL



EG-Konf.

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



DNV



GL



LRS

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/lowvoltage/mall>

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

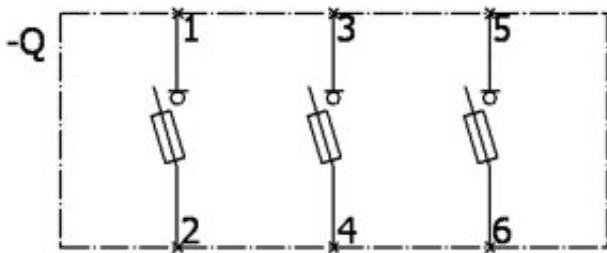
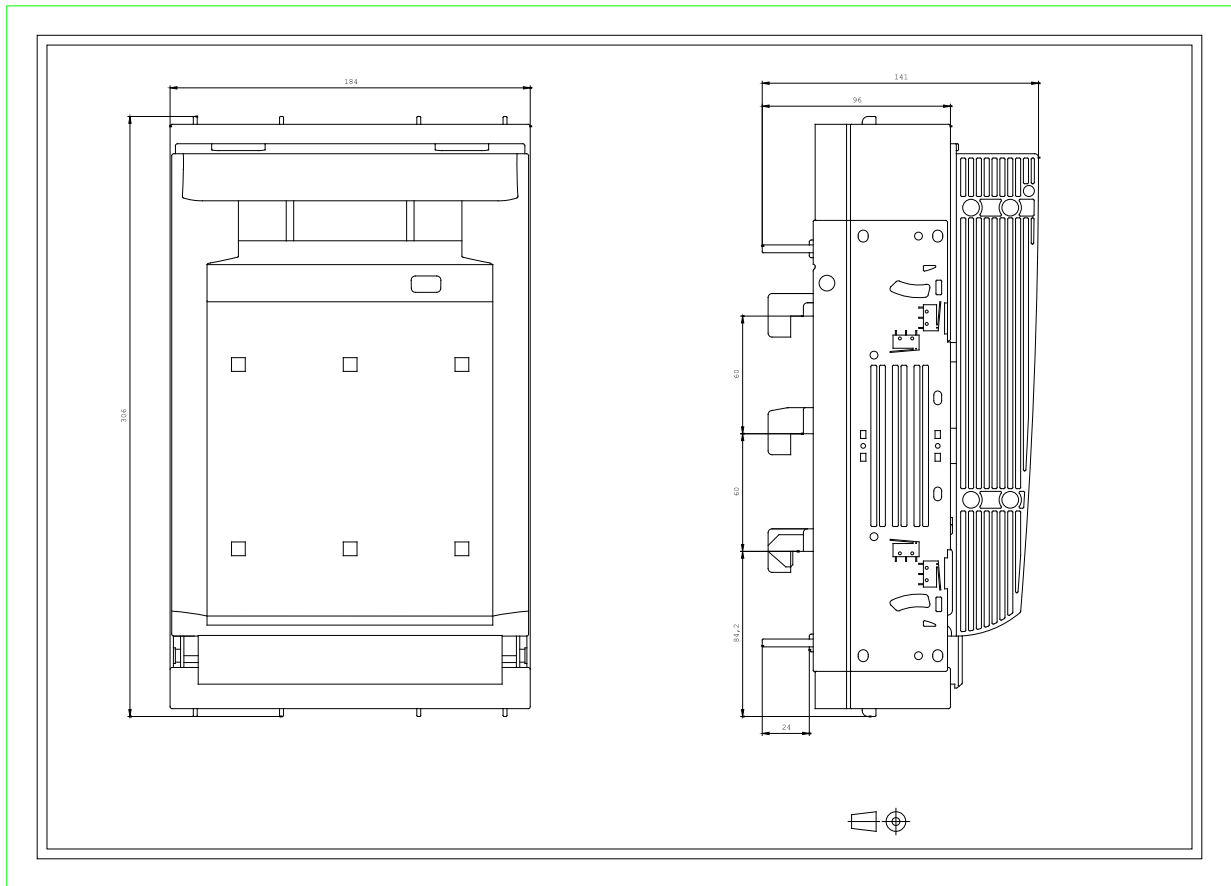
<http://support.automation.siemens.com/WW/view/en/3NP1143-1BC10/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1143-1BC10

CAX-Online-Generator

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



last change:

Nov 2, 2012