



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH000,
160A MOUNTING PLATE CONSTRUCTION COVER LEVEL
45 MM BOX TERMINAL FUSE MONITORING
ELECTRONIC,
EFM 20

Similar to image

General technical details:		
Type from device		Auf- und Einbau
mounting position		waagrecht oder senkrecht
Width	mm	88.8
Height	mm	141.7
Depth	mm	118
Continuous current		
• at 40 °C / rated value	A	150
• at 45 °C / rated value	A	140
• at 50 °C / rated value	A	130
• at 55 °C / rated value	A	120
Operational 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
Rated current Ie / maximum / in utilization category		
• AC-22 B		

• at 500 V • at 690 V	A	125
• AC-23 B • at 400 V • at 500 V • at 690 V	A	50
• Capacitor • at 400 V • at 500 V	A	160
	A	40
	A	25
	A	72
	A	55
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	80
• with closed switch • at 500 V / with AC / rated value • at 690 V / with AC / rated value	kA	120
	kA	120
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
Tension d'emploi		
• sous AC • rated value	V	230 ... 690
Power factor		
• at AC-21 B • at AC-22 B • at AC-23 B • with capacitive load		0.95
		0.65
		0.45
		-0.25
I²t value / with closed switch / maximum permissible	kA ² ·s	56
Let-through current		
• with speedy activation / maximum permissible • with closed switch / maximum permissible	kA	10
	kA	15
Design of the load switch / Strip form		No
Fuse system		LV HRC fuse
Installation size of fuse-link		NH000
Installation size of disconnecting link		000
Active power loss / maximum	W	9
Design of the safety monitoring		Electronic EFM20
Product component / phase failure monitoring		Yes
Product extension / optional		
• voltage trigger • locking capability		No
		Yes

Product component		
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
Product function / overvoltage protection monitoring		Yes
Product feature / sealable		Yes
Type of the driving mechanism / motor drive		No
Design of the electrical connection / for main current circuit		box terminals
Arrangement of electrical connectors / for main current circuit		sonstige
Conductor cross-section that can be connected / for main contacts		
• solid	mm ²	1.5 ... 50
• stranded	mm ²	1.5 ... 50
• stranded wire		
• with conductor end processing	mm ²	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
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		floor mounting
• front mounting		No
• floor mounting		No
		Yes
IP degree of protection		
• open		IP20
• 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
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



CB



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,...)

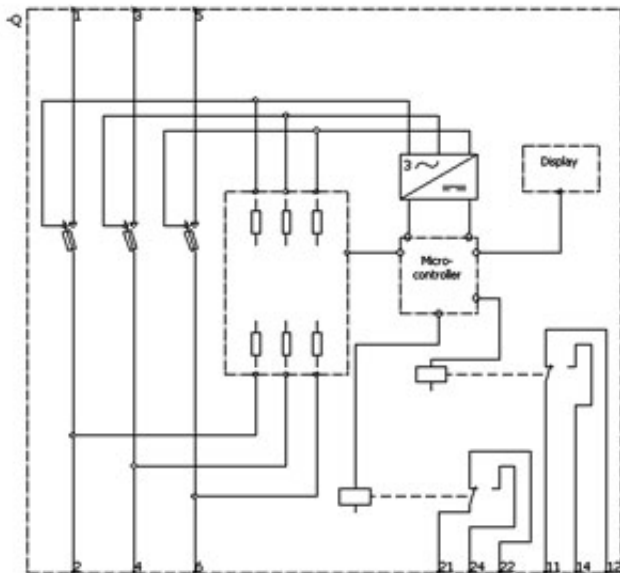
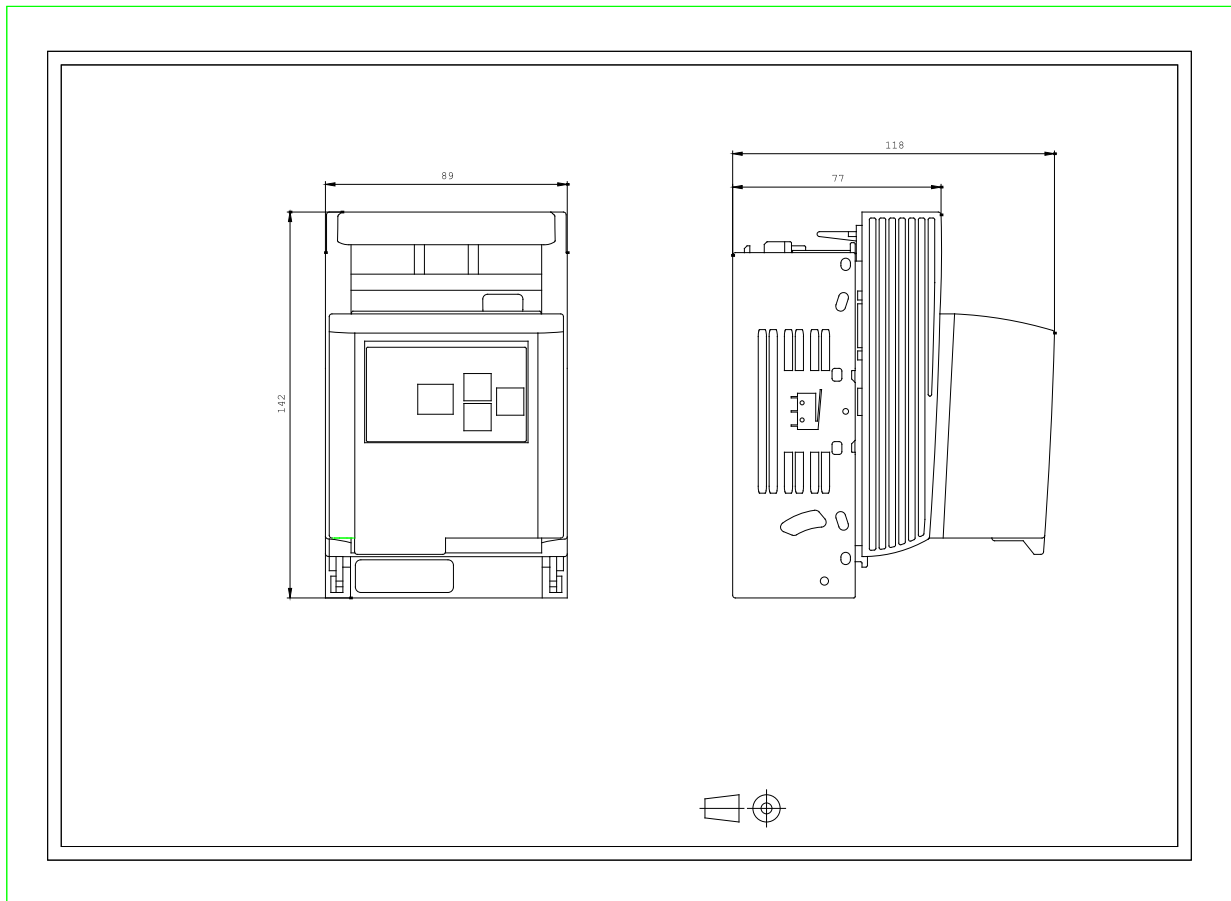
<http://support.automation.siemens.com/WW/view/en/3NP1123-1CA23/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1123-1CA23

CAX-Online-Generator

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



last change:

Nov 2, 2012