



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH1,
250A MOUNTING PLATE CONSTRUCTION COVER LEVEL
70 MM BOX TERMINAL FUSE MONITORING
ELECTROMECHANICAL

Similar to image

General technical details:

Type from device		Auf- und Einbau
mounting position		waagrecht oder senkrecht
Width	mm	183.7
Height	mm	306
Depth	mm	192.8
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	250
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
Tension d'emploi		
• sous AC		
• rated value	V	24 ... 690
• for DC		
• rated value	V	24 ... 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
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
Design of the safety monitoring		Electromechanical
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		box terminals
Arrangement of electrical connectors / for main current circuit		sonstige
Conductor cross-section that can be connected / for main contacts		
• solid	mm ²	70 ... 185
• stranded	mm ²	70 ... 185
Type of connectable conductor cross-sections / of laminated conductors / maximum		10 x 20 mm
Tightening torque		
• with screw-type terminals	N·m	10 ... 10
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		floor mounting

• Rail installation	No
• front mounting	No
• floor mounting	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	1,600
Item designation / according to DIN EN 61346-2	Q

Ambient conditions:

Ambient temperature

• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80

Certificates/approvals:

General Product Approval



CCC



GOST



UL



EG-Konf.

Declaration of Conformity

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,...)

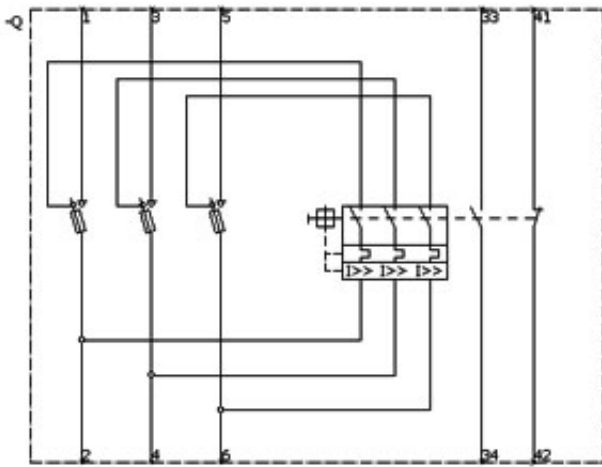
<http://support.automation.siemens.com/WW/view/en/3NP1143-1DA21/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1143-1DA21

CAX-Online-Generator

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



last change:

Nov 2, 2012