SIEMENS

Product data sheet 3NP1143-1DA13

Similar to image

FUSE-SWITCH-DISCONNECTOR 3-POLE, NH1,
250A MOUNTING PLATE CONSTRUCTION COVER LEVEL
70 MM FLAT CONNECTOR FUSE MONITORING
ELECTRONIC,
EFM 20

General technical details:		
Type from device		Auf- und Einbau
mounting position		waagerecht oder senkrecht
Width	mm	183.7
Height	mm	306
Depth	mm	146.3
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 Ie / 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
Conditional short-circuit current (Iq)		
• 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
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		0.95
• at AC-22 B		0.65
• at AC-23 B		0.45
• with capacitive load		-0.25
I2t value / with closed switch / maximum permissible	$kA^2 \cdot s$	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		Electronic EFM20
Product component / phase failure monitoring		Yes
Product extension / optional		
• voltage trigger		No
• locking capability		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		flat connector
Arrangement of electrical connectors / for main current circuit		sonstige
Conductor cross-section that can be connected / for main contacts		
• solid	mm²	16 … 150
• stranded	mm²	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 disconnector		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			Declaration of Conformity	Test Certificates	
CCC	GOST	UL	EG-Konf.	Special Test Certificate	Type Test Certificates/Test Report

Shipping Approval

DNV GL LRS

Further information:

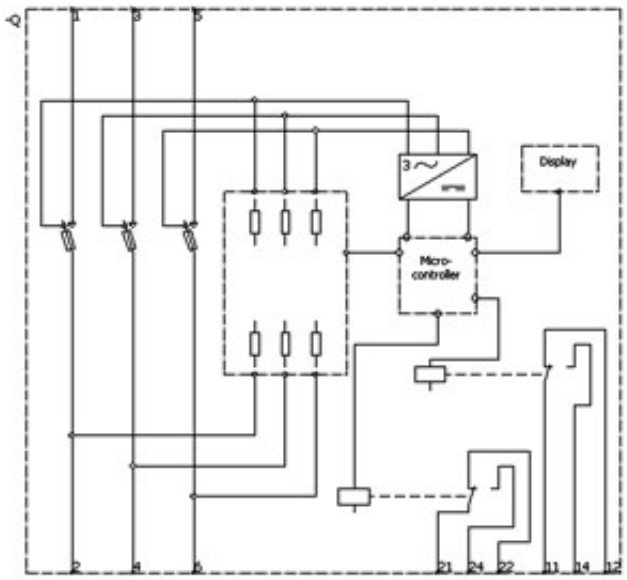
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

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/3NP1143-1DA13/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1143-1DA13

CAx-Online-Generator
http://www.siemens.com/cax



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