SIEMENS

Product data sheet 3NP1143-1DA11

Number of poles		3

Similar to image

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

General technical details:		
product brand name		SENTRON
Product designation		Fuse switch disconnector
Fuse system		LV HRC fuse
Installation size of fuse-link		NH0, NH1
Installation size of disconnecting link		1 and 0
Type from device		Auf- und Einbau
Design of the product		3-pole
Design of the operating mechanism		handle unit
Type of the driving mechanism / motor drive		No
Design of the safety monitoring		elektromechanisch
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		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
• trip indicator		Yes
Acceptability for application		
• switch disconnector		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
Product function		
• fuse monitoring		Yes
• overvoltage protection monitoring		No
Product extension		
• auxiliary switch		Yes
• optional		
• phase failure monitoring		Yes
• voltage trigger		No
• overvoltage protection monitoring		Yes
• locking capability		Yes
• motor drive		No
Continuous current		
• rated value	A	250
• at 35 °C / rated value	A	250
• 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
Operating 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
• at 500 V / rated value	A	250
• at 690 V / rated value	A	250
• at AC-23 B		
• at 400 V / rated value	A	250
• at 500 V / rated value	A	200

• at 690 V / rated value	A	100
• 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
• with capacitive load		
• at 400 V / maximum	A	72
• at 500 V / maximum	A	55
Let-through current		
• with speedy activation / maximum permissible	kA	25
• with closed switch / maximum permissible	kA	32
Conditional short-circuit current (Iq)		
• 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	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
Tension d'emploi		
• for AC / rated value	V	24 … 690
• for DC / rated value	V	24
• maximum	V	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
Active power loss / maximum	W	23
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
I2t value / with closed switch / maximum permissible	$kA^2 \cdot s$	780
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN EN 81346-2		Q

Connection elements and terminals:		
Design of the electrical connection / for main current circuit		flat connector
Conductor cross section that can be connected / for main contacts		
• single- or multi-stranded	mm²	16 … 150
• stranded	mm²	16 … 150
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:		
IP degree of protection		
• open		IP20
• on the front		IP40
• 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

Ambient conditions:		
Ambient temperature		
• during operating	°C	-25 … +55
• during storage	°C	-50 … +80

Installation/mounting/dimensions:		
Mounting type		floor mounting
• rail mounting		No
• front mounting		No
• front mounting with central attachment		No
• front mounting with 4-hole attachment		No
• floor mounting		Yes
mounting position		waagerecht oder senkrecht
Width	mm	183.7
Height	mm	306
Depth	mm	192.8
Net weight	kg	2.63

Certificates/approvals:

General Product Approval				Declaration of Conformity	Test Certificates
CCC	GOST	UL	UR	EG-Konf.	Type Test Certificates/Test Report

Shipping Approval		
DNV	GL	LRS

Further information:

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

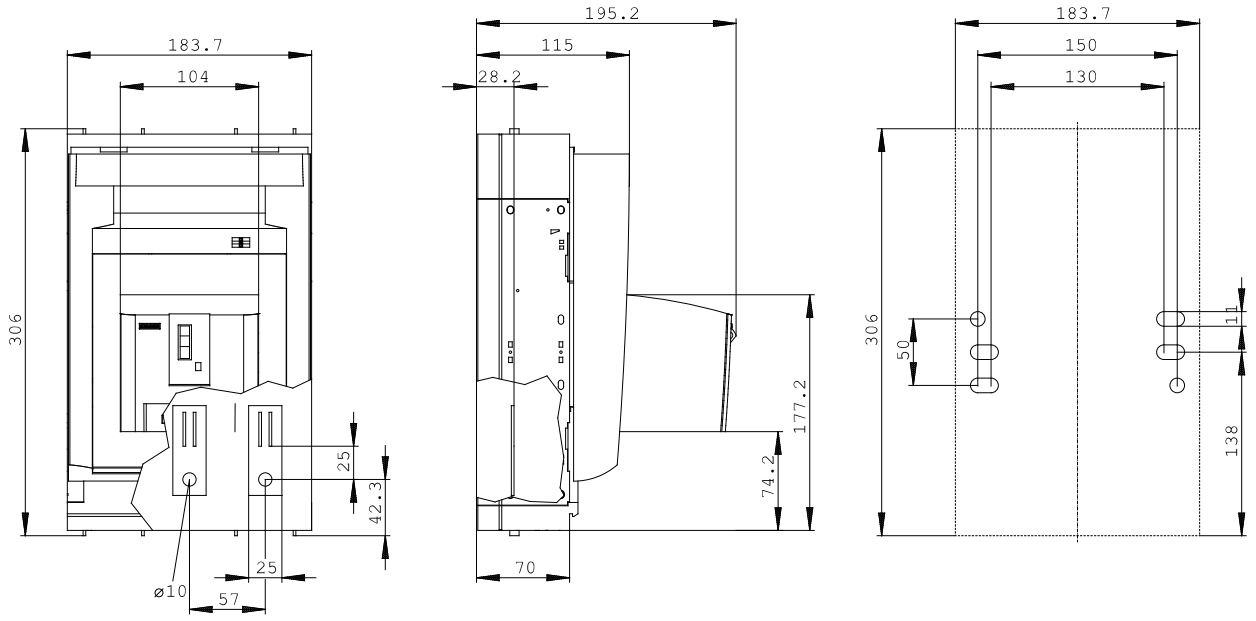
Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1143-1DA11

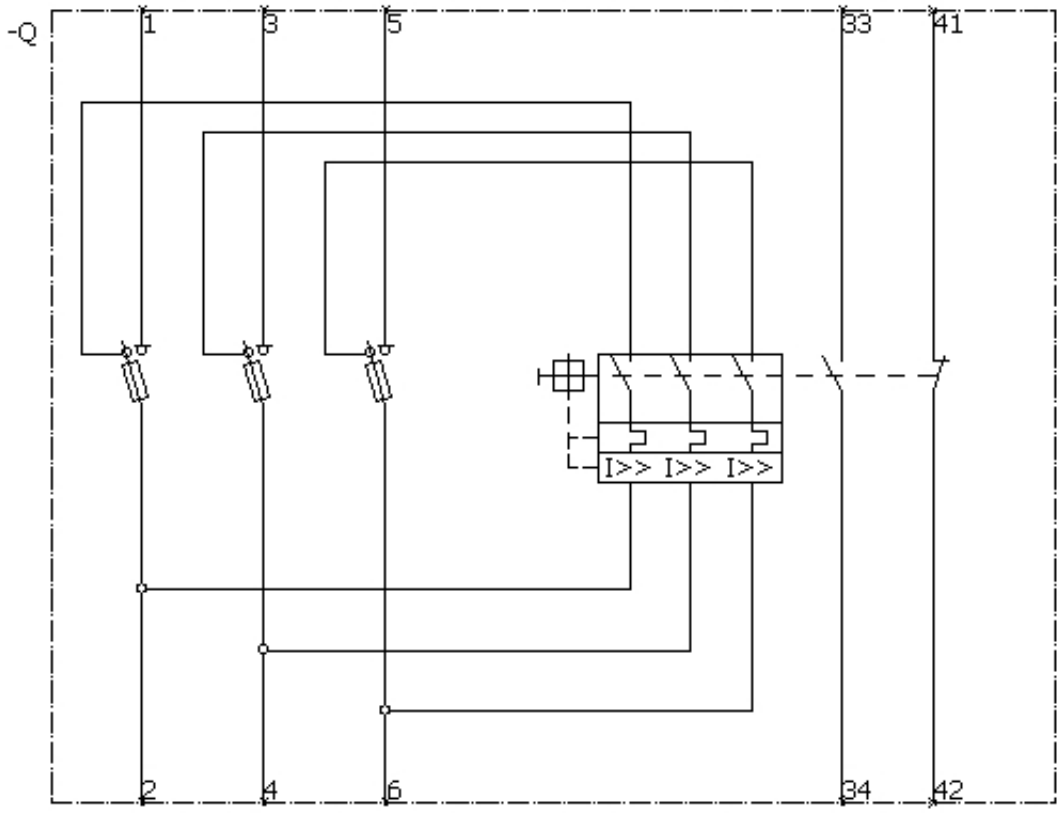
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3NP1143-1DA11/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1143-1DA11

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

Tender specifications
Datanorm GAEB81 GAEB83 RTF TXT





last change:	Mar 31, 2014