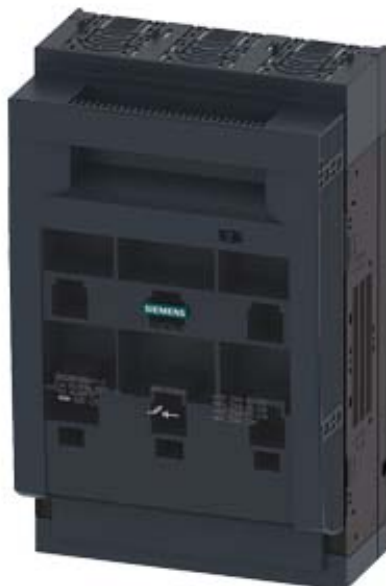


Number of poles

3



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

Similar to image

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
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	No
• phase failure monitoring	

• undervoltage release mechanism		No
• undervoltage release with leading contact		No
• trip indicator		No
Acceptability for application		
• switch disconnecter		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
Product function		
• fuse monitoring		No
• overvoltage protection monitoring		No
Product extension		
• auxiliary switch		Yes
• optional		
• fuse monitoring		Yes
• 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 (I_q)		
• 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	440
Tension d'emploi		
• for AC / rated value	/ V	690
• for DC / rated value		
• maximum	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
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 ·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
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Conductor cross section that can be connected / for main contacts

• single- or multi-stranded	mm ²	16 ... 150
• stranded	mm ²	16 ... 150

Tightening torque

• with screw-type terminals	N·m	10 ... 12
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Arrangement of electrical connectors / for main current circuit

	sonstige
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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
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Mechanical operating cycles as operating time / typical

	1,600
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Ambient conditions:**Ambient temperature**

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

Installation/mounting/dimensions:**Mounting type**

• rail mounting	floor mounting
• front mounting	No
• front mounting with central attachment	No
• front mounting with 4-hole attachment	No
• floor mounting	Yes

mounting position

	waagrecht oder senkrecht
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Width

mm	183.7
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Height

mm	306
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Depth

mm	115
----	-----

Net weight

kg	2.19
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Certificates/approvals:

General Product Approval



CCC

GOST

UL

UR

EG-Konf.

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



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/3NP1143-1DA10>

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

<http://support.automation.siemens.com/WW/view/en/3NP1143-1DA10/all>

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

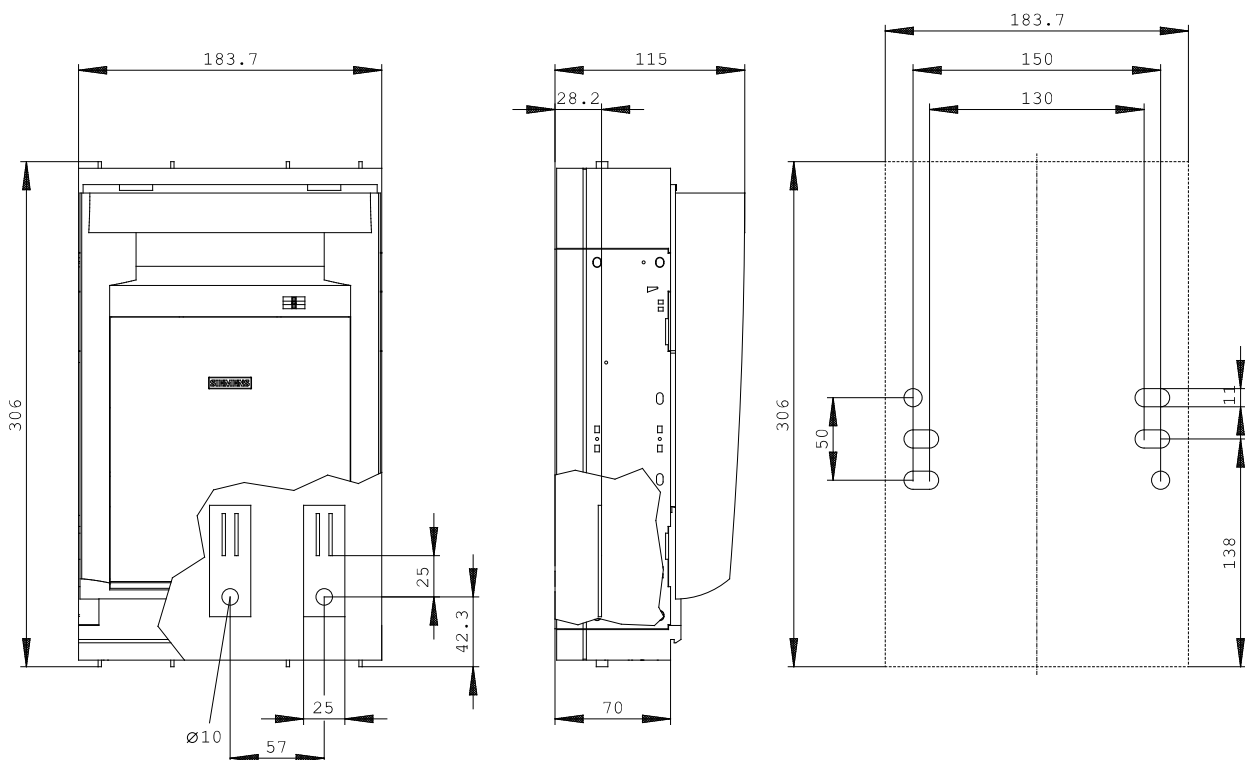
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1143-1DA10

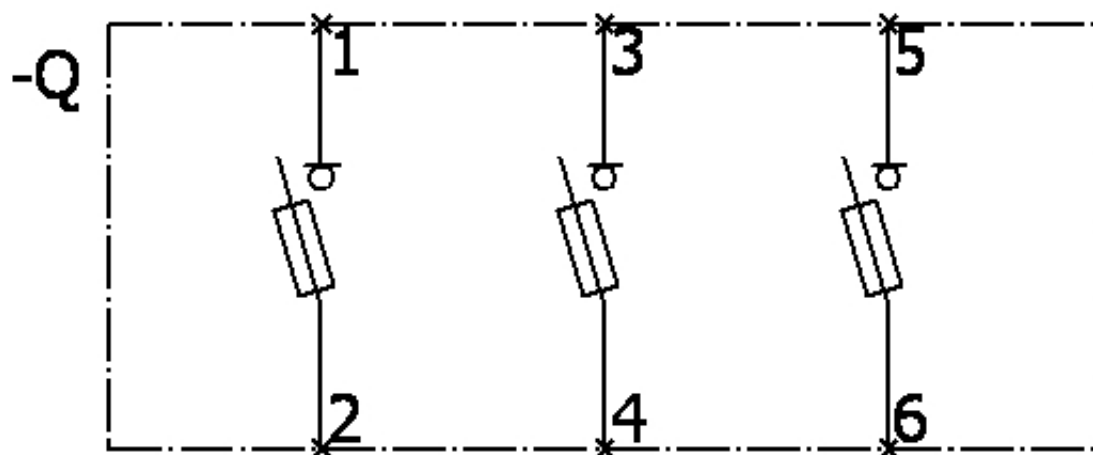
CAX-Online-Generator

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

Tender specifications

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)





last change:

Mar 31, 2014