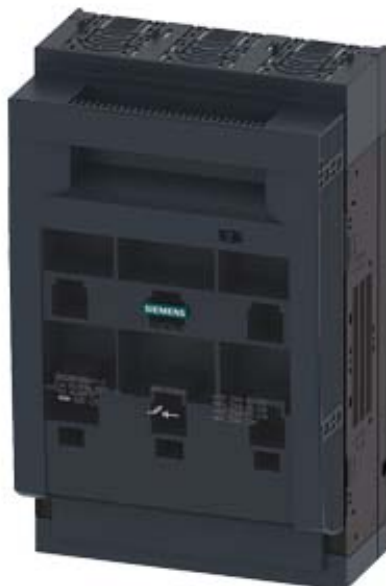


Number of poles

3



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

Similar to image

General technical details:

product brand name	SENTRON
Product designation	Fuse switch disconnecter
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

<ul style="list-style-type: none"> • at 690 V / rated value 	A	100
<ul style="list-style-type: none"> • at DC-21 B 		
<ul style="list-style-type: none"> • at 240 V / rated value / maximum 	A	250
<ul style="list-style-type: none"> • at 440 V / rated value / maximum 	A	250
<ul style="list-style-type: none"> • at DC-22 B 		
<ul style="list-style-type: none"> • at 240 V / rated value / maximum 	A	250
<ul style="list-style-type: none"> • at 440 V / rated value / maximum 	A	200
<ul style="list-style-type: none"> • at DC-23 B 		
<ul style="list-style-type: none"> • at 240 V / rated value / maximum 	A	200
<ul style="list-style-type: none"> • at 440 V / rated value / maximum 	A	100
<ul style="list-style-type: none"> • with capacitive load 		
<ul style="list-style-type: none"> • at 400 V / maximum 	A	72
<ul style="list-style-type: none"> • at 500 V / maximum 	A	55
Let-through current		
<ul style="list-style-type: none"> • with speedy activation / maximum permissible 	kA	25
<ul style="list-style-type: none"> • with closed switch / maximum permissible 	kA	32
Conditional short-circuit current (I_q)		
<ul style="list-style-type: none"> • rated value 	kA	80
<ul style="list-style-type: none"> • at 500 V / with AC / with speedy activation / rated value 	kA	80
<ul style="list-style-type: none"> • at 690 V / with AC / with speedy activation / rated value 	kA	50
<ul style="list-style-type: none"> • with closed switch 		
<ul style="list-style-type: none"> • at 500 V / with AC / rated value 	kA	120
<ul style="list-style-type: none"> • at 690 V / with AC / rated value 	kA	100
Operating voltage / for DC / rated value	V	440
Tension d'emploi		
<ul style="list-style-type: none"> • for AC / rated value 	/ V	690
<ul style="list-style-type: none"> • for DC / rated value 		
<ul style="list-style-type: none"> • maximum 	V	440
Power factor		
<ul style="list-style-type: none"> • at AC-21 B 		0.95
<ul style="list-style-type: none"> • at AC-22 B 		0.65
<ul style="list-style-type: none"> • at AC-23 B 		0.45
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • according to DIN EN 61346-2 		Q
<ul style="list-style-type: none"> • according to DIN EN 81346-2 		Q

Connection elements and terminals:

Design of the electrical connection / for main current circuit

box terminals

Conductor cross section that can be connected / for main contacts

- single- or multi-stranded
- stranded

mm²

70 ... 185

mm²

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

Arrangement of electrical connectors / for main current circuit

sonstige

Degree of protection and safety class:

IP degree of protection

- open
- on the front
- with closed switch
 - without cover or cable lug cover
 - with cover or cable lug cover

IP20

IP40

IP30

IP40

Degree of pollution

3

Mechanical operating cycles as operating time / typical

1,600

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C

-25 ... +55

°C

-50 ... +80

Installation/mounting/dimensions:

Mounting type

- rail mounting
- front mounting
- front mounting with central attachment
- front mounting with 4-hole attachment
- floor mounting

floor mounting

No

No

No

No

Yes

mounting position

waagrecht oder senkrecht

Width

mm

183.7

Height

mm

306

Depth

mm

115

Net weight

kg

2.19

Certificates/approvals:

General Product Approval

CCC



GOST



UL



UR



EG-Konf.

Test Certificates[Special Test Certificate](#)[Type Test Certificates/Test Report](#)

DNV

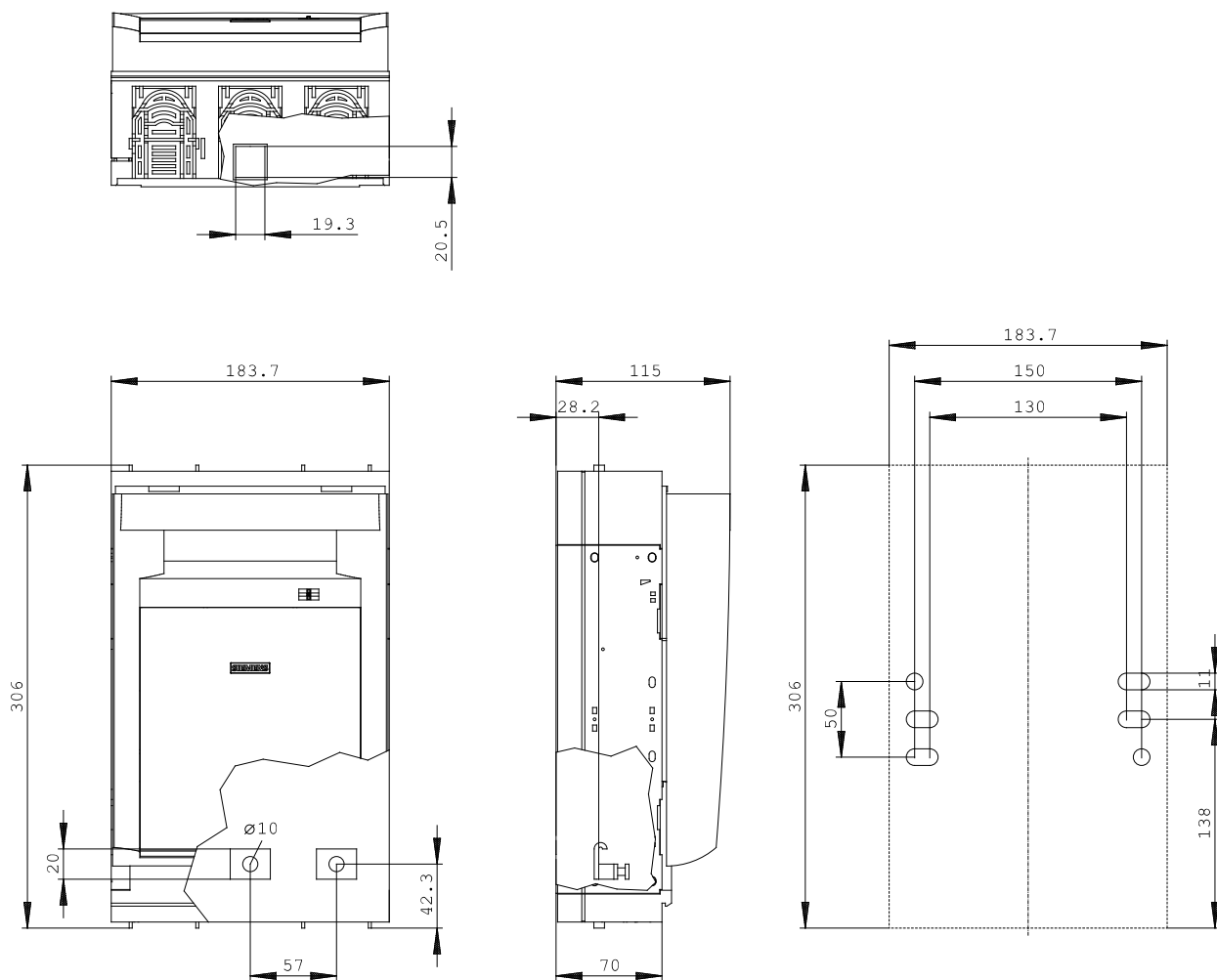
Shipping Approval

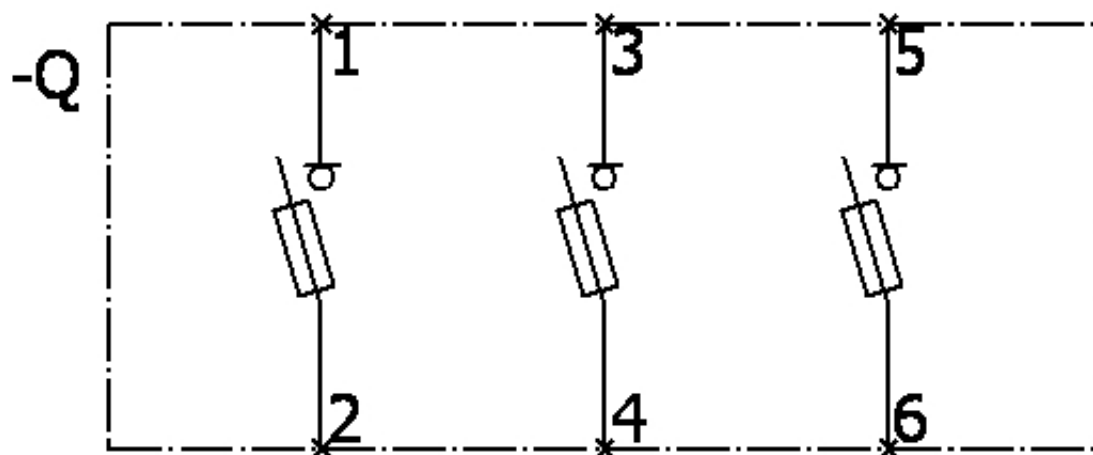
GL



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/3NP1143-1DA20>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<http://support.automation.siemens.com/WW/view/en/3NP1143-1DA20/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1143-1DA20**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)





last change:

Mar 31, 2014