

Number of poles

3



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:

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
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 disconnecter		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 (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	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 ·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**

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









192.8

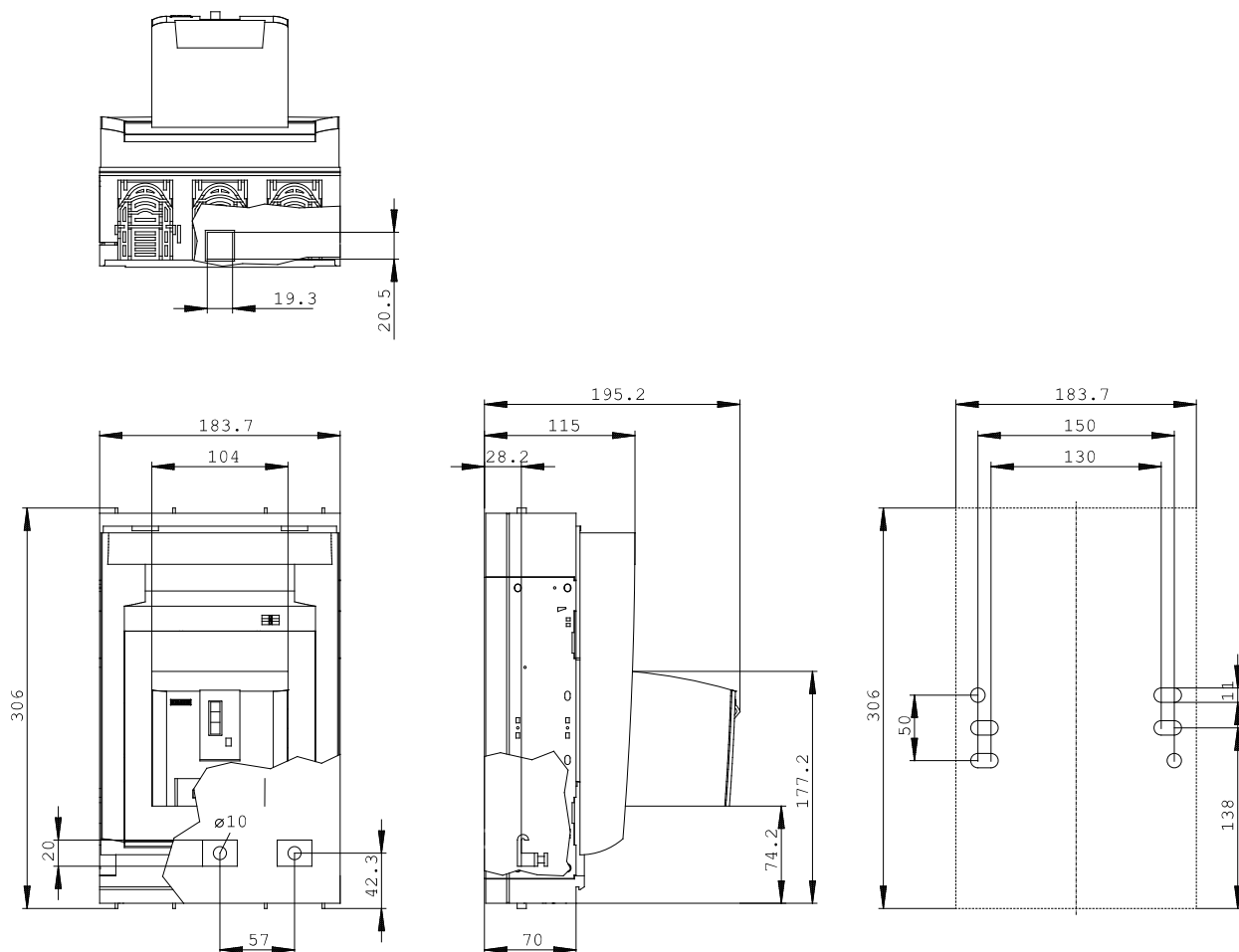
Net weight

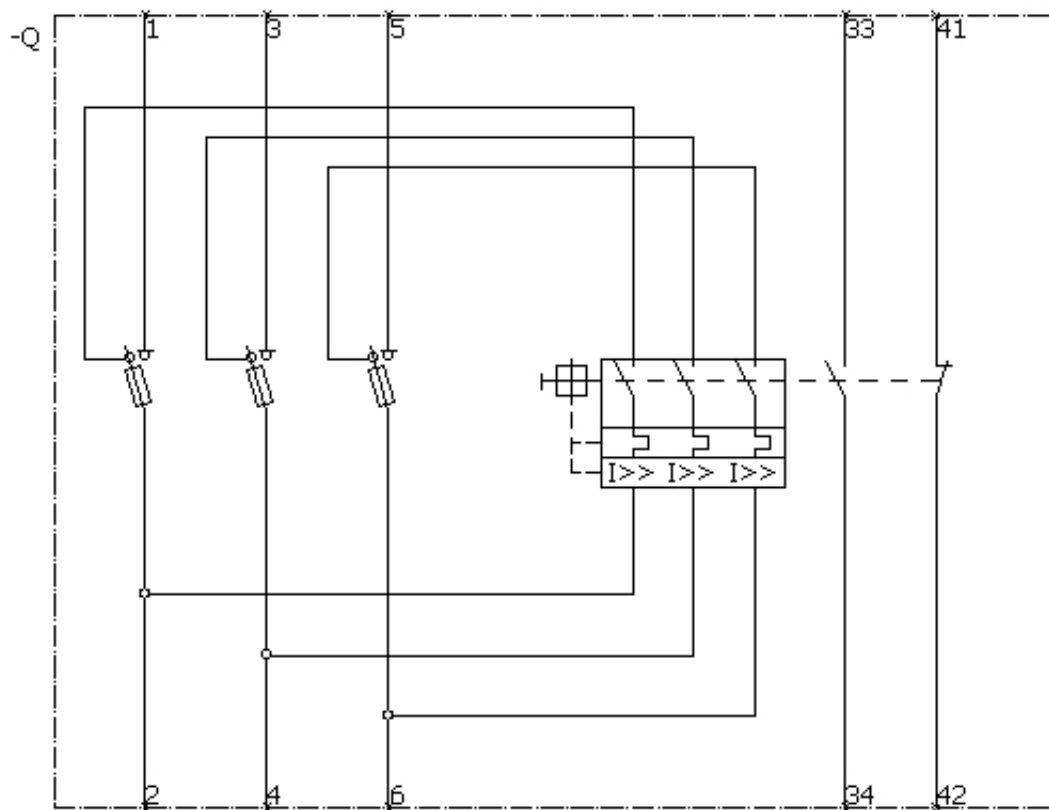
kg

2.63

Certificates/approvals:

General Product Approval				Declaration of Conformity	Test Certificates
					Type Test Certificates/Test Report
CCC	GOST	UL	UR	EG-Konf.	
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/3NP1143-1DA21					
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					
Tender specifications Datanorm GAEB81 GAEB83 RTF TXT					





last change:

Mar 17, 2014