

Number of poles

3

FUSE-SWITCH-DISCONNECTOR 3-POLE, NH2,  
400A 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	NH1. NH2
Installation size of disconnecting link	2 and 1
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
<b>Acceptability for application</b>		
• switch disconnecter		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
<b>Product function</b>		
• fuse monitoring		No
• overvoltage protection monitoring		No
<b>Product extension</b>		
• auxiliary switch		Yes
• optional		
• fuse monitoring		Yes
• phase failure monitoring		Yes
• voltage trigger		No
• overvoltage protection monitoring		Yes
• locking capability		Yes
• motor drive		No
<b>Continuous current</b>		
• rated value	A	400
• at 35 °C / rated value	A	400
• at 40 °C / rated value	A	400
• at 45 °C / rated value	A	392
• at 50 °C / rated value	A	372
• at 55 °C / rated value	A	356
<b>Operating current</b>		
• at AC-21 B		
• at 400 V / rated value	A	400
• at 500 V / rated value	A	400
• at 690 V / rated value	A	400
• at AC-22 B		
• at 400 V / rated value	A	400
• at 500 V / rated value	A	400
• at 690 V / rated value	A	400
• at AC-23 B		
• at 400 V / rated value	A	400
• at 500 V / rated value	A	315

• at 690 V / rated value	A	125
• at DC-21 B		
• at 240 V / rated value / maximum	A	400
• at 440 V / rated value / maximum	A	400
• at DC-22 B		
• at 240 V / rated value / maximum	A	400
• at 440 V / rated value / maximum	A	315
• at DC-23 B		
• at 240 V / rated value / maximum	A	250
• at 440 V / rated value / maximum	A	160
• with capacitive load		
• at 400 V / maximum	A	72
• at 500 V / maximum	A	55
<b>Let-through current</b>		
• with speedy activation / maximum permissible	kA	40
• with closed switch / maximum permissible	kA	40
<b>Conditional short-circuit current (I<sub>q</sub>)</b>		
• 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	100
• at 690 V / with AC / rated value	kA	100
<b>Operating voltage / for DC / rated value</b>	V	440
<b>Tension d'emploi</b>		
• for AC / rated value	/ V	690
• for DC / rated value		
• maximum	V	440
<b>Power factor</b>		
• at AC-21 B		0.95
• at AC-22 B		0.65
• at AC-23 B		0.35
• with capacitive load		-0.25
<b>Active power loss / maximum</b>	W	34
<b>Insulation voltage / rated value</b>	V	690
<b>Impulse voltage resistance / rated value</b>	kV	8
<b>I<sub>2t</sub> value / with closed switch / maximum permissible</b>	kA <sup>2</sup> ·s	2,150
<b>Item designation</b>		
• 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

mm<sup>2</sup>

120 ... 300

mm<sup>2</sup>

120 ... 300

**Type of connectable conductor cross-sections / of laminated conductors**

- maximum

10 x 32 mm

**Tightening torque**

- with screw-type terminals

N·m

10 ... 25

**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**

1,000

**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

209.4

**Height**

mm

306

**Depth**

mm

129.9

**Net weight**

kg

4.21

**Certificates/approvals:**

**General Product Approval**

CCC



GOST



UL



UR



EG-Konf.

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

DNV

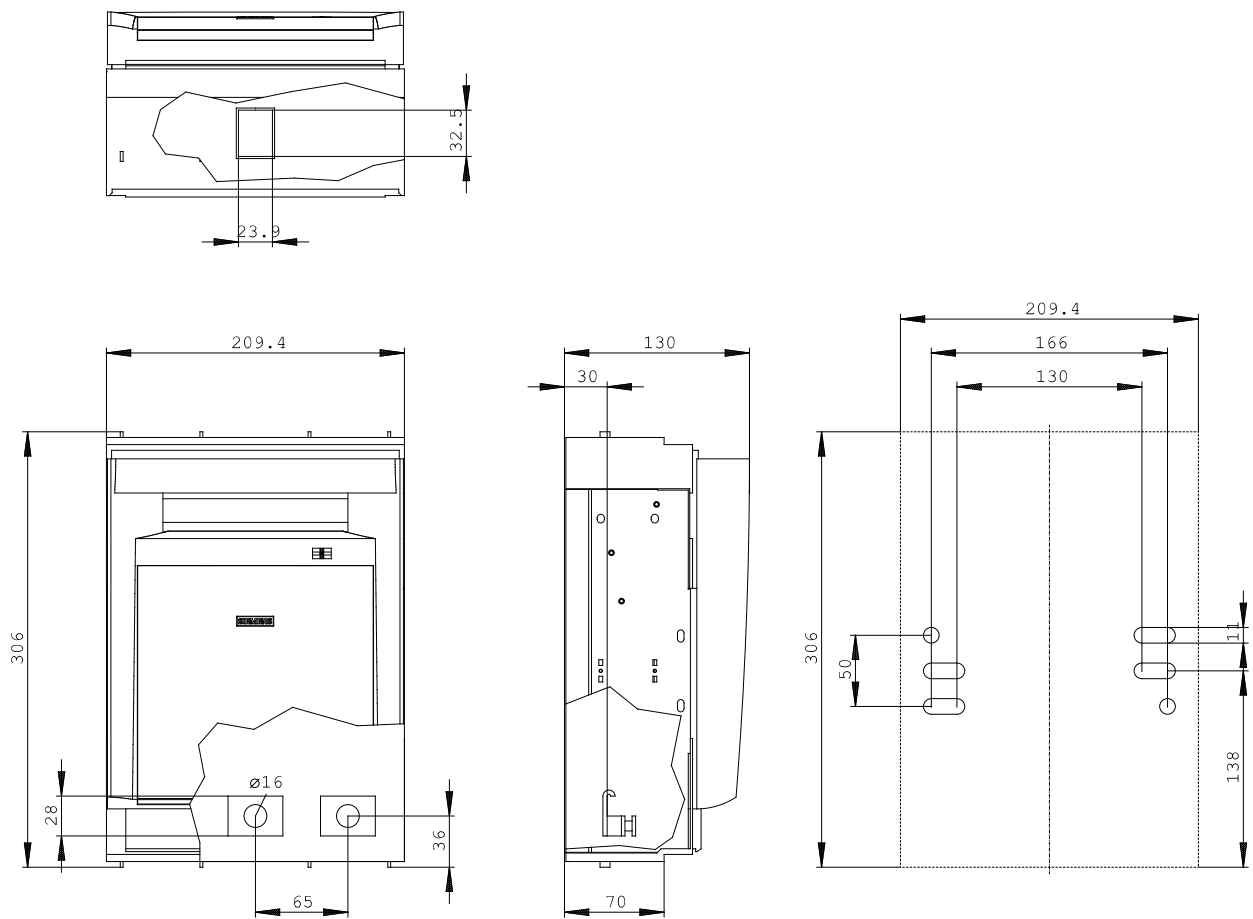
**Shipping Approval**

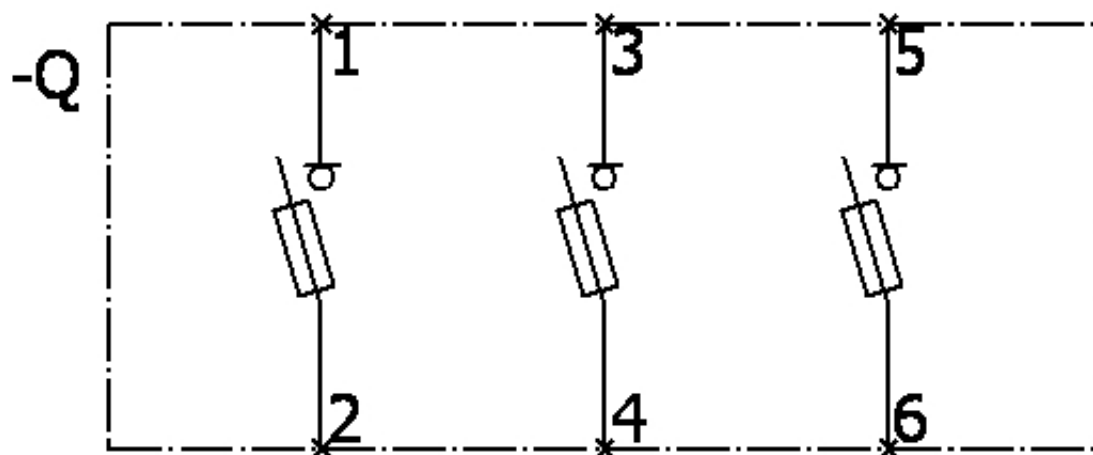
GL



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/3NP1153-1DA20>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<http://support.automation.siemens.com/WW/view/en/3NP1153-1DA20/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP1153-1DA20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1153-1DA20)**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)





last change:

Mar 31, 2014