



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH3,
630A 60MM BUSBAR SYSTEM COVERS FOR RITTAL
FLAT CONNECTOR

Similar to image

General technical details:

Number of poles		3
product brand name		SENTRON
Product designation		Fuse switch disconnecter
Fuse system		LV HRC fuse
Installation size of fuse-link		NH2, NH3
Installation size of disconnecting link		3 and 2
Type from device		Zum Aufschnappen auf Sammelschienensystem Rittal 60 mm
Design of the product		3-pole
Busbar design		Sammelschienendicke 5 oder 10 mm
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		
• phase failure monitoring		No
• 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	630
• at 35 °C / rated value	A	630
• at 40 °C / rated value	A	610
• at 45 °C / rated value	A	575
• at 50 °C / rated value	A	555
• at 55 °C / rated value	A	530
Operating current		
• at AC-21 B		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	630
• at AC-22 B		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	500
• at AC-23 B		

• at 400 V / rated value	A	630
• at 500 V / rated value	A	500
• at 690 V / rated value	A	200
• at DC-21 B		
• at 240 V / rated value / maximum	A	630
• at 440 V / rated value / maximum	A	630
• at DC-22 B		
• at 240 V / rated value / maximum	A	630
• at 440 V / rated value / maximum	A	500
• at DC-23 B		
• at 240 V / rated value / maximum	A	400
• at 440 V / rated value / maximum	A	250
• with capacitive load		
• at 400 V / maximum	A	72
• at 500 V / maximum	A	55
Let-through current		
• with speedy activation / maximum permissible	kA	50
• with closed switch / maximum permissible	kA	60
Conditional short-circuit current (I_q)		
• rated value	kA	50
• at 500 V / with AC / with speedy activation / rated value	kA	50
• 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
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		0.35
• with capacitive load		-0.25
Active power loss / maximum	W	48
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
I²t value / with closed switch / maximum permissible	kA ² ·s	5,400
Item designation		

- according to DIN EN 61346-2
- according to DIN EN 81346-2

Q
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
- stranded

mm² 120 ... 300
mm² 120 ... 300

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:

Protection class IP

- 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

busbar mounting
Yes
No
No
No
No

mounting position

waagrecht oder senkrecht

Width

mm 249.4

Height

mm 306

Depth

mm 157.5

Largeur

- du jeu de barres

mm 12 ... 30

Center line spacing

mm 60

Net weight

kg

6.84

Certificates/approvals:

General Product Approval



CCC



GOST



UL



UR



EG-Konf.

Test Certificates

[Special Test Certificate](#)

[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/3NP1163-1JC10>

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

<http://support.automation.siemens.com/WWW/view/en/3NP1163-1JC10/all>

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

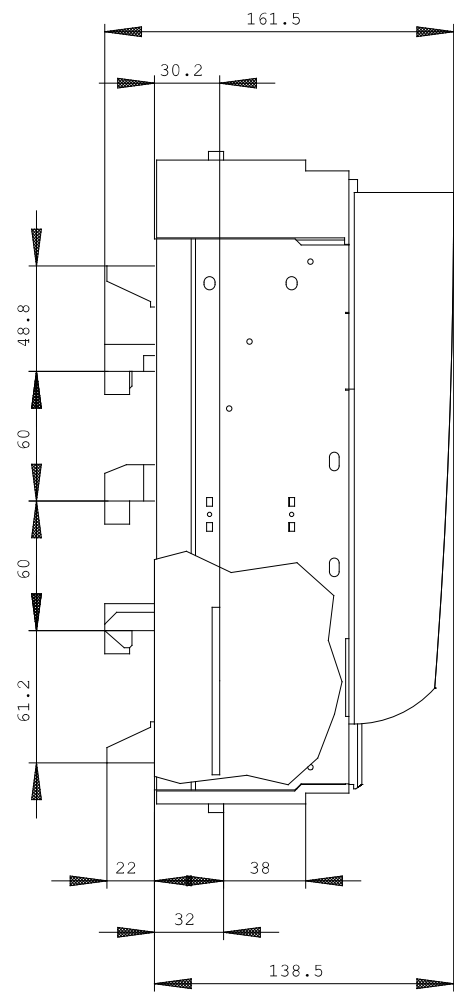
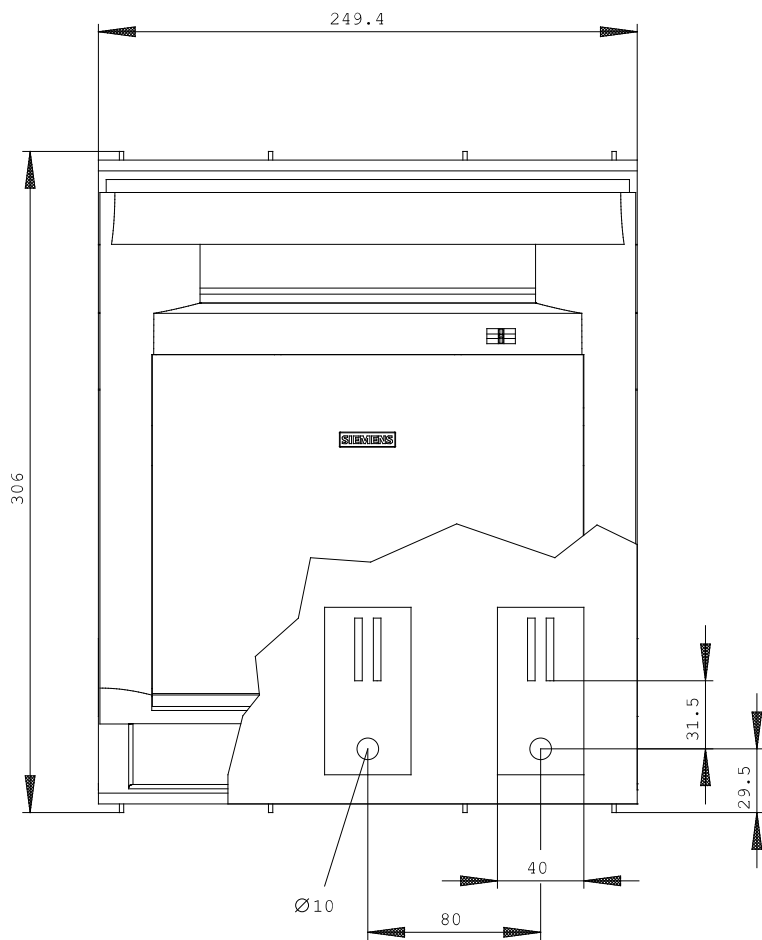
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1163-1JC10

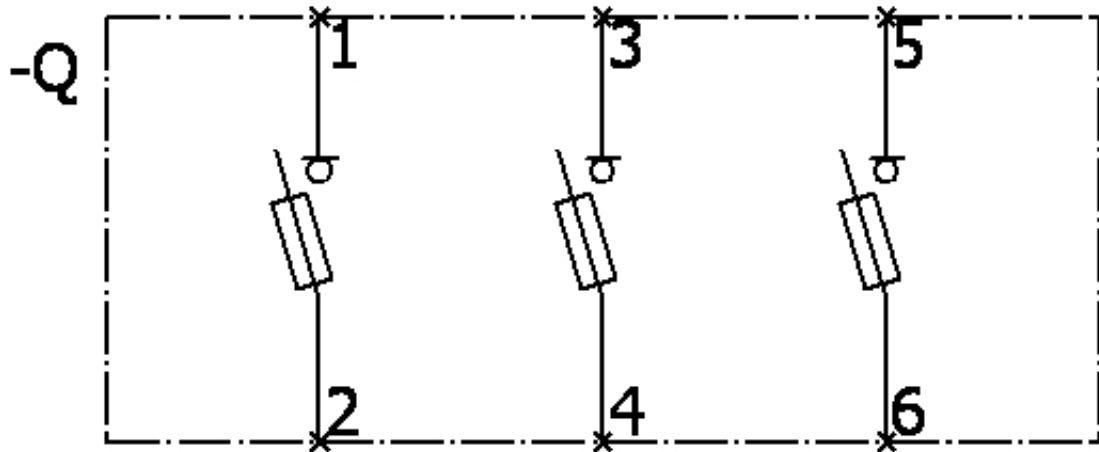
CAX-Online-Generator

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

Tender specifications

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





last change:

Jul 7, 2014