



SETRON, Fuse switch disconnecter 3NP1, 3-pole, NH000 narrow, 125 A, for busbar systems 60 mm, box terminal, cable outlet downwards Cover level 32/60/70 mm

Model	
product designation	3NP1 fuse switch disconnecter
busbar design	busbar thickness 5 or 10 mm
design of the safety monitoring	Without
design of the load switch strip form	No
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
type of device	for 60 mm busbar systems
size of disconnecting link	0
size of fuse link	NH000
let-through current with closed switch maximum	15 kA
mechanical service life (operating cycles) typical	2 000
I ² t value with closed switch maximum	150 kA ² .s
power factor	
• at AC-22 B	0.65
• at AC-23 B	0.45
fuse system	LV HRC fuse
degree of pollution	2
Voltage	
insulation voltage	
• rated value	800 V
• with degree of pollution 2 at AC rated value	800 V
power factor at AC-21 B	0.95
surge voltage resistance rated value	6 kV
operational current	
• at 35 °C rated value	125 A
• at 40 °C rated value	111 A
• at 45 °C rated value	95 A
• at 50 °C rated value	76 A
• at 55 °C rated value	51 A
• at AC-21 B at 240 V rated value	125 A
• at AC-21 B at 400 V rated value	125 A
• at AC-21 B at 500 V rated value	125 A
• at AC-21 B at 690 V rated value	80 A
• at AC-22 B at 240 V rated value	125 A
• at AC-22 B at 400 V rated value	125 A
• at AC-22 B at 500 V rated value	125 A
• at AC-23 B at 400 V rated value	63 A
• at AC-23 B at 240 V rated value	63 A

let-through current with high-speed activation maximum permissible	10 kA
operating voltage	
<ul style="list-style-type: none"> at AC rated value maximum 	690 V
Protection class	
protection class IP	
<ul style="list-style-type: none"> with closed switch with cover or cable lug cover 	IP30
<ul style="list-style-type: none"> with closed switch without cover or cable lug cover 	IP10
<ul style="list-style-type: none"> open 	IP10
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> with conventional rated thermal current without fuse per pole 	4.6 W
<ul style="list-style-type: none"> with conventional rated thermal current without fuse per device 	13.8 W
<ul style="list-style-type: none"> for rated value of the current at AC in hot operating state per pole 	13.6 W
<ul style="list-style-type: none"> of the fuse per fuse maximum 	9 W
Main circuit	
operational current	
<ul style="list-style-type: none"> rated value 	125 A
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
Suitability	
suitability for use	
<ul style="list-style-type: none"> main switch 	No
<ul style="list-style-type: none"> switch disconnecter 	Yes
<ul style="list-style-type: none"> EMERGENCY OFF switch 	No
<ul style="list-style-type: none"> safety switch 	Yes
<ul style="list-style-type: none"> maintenance/repair switch 	Yes
Product details	
product component	
<ul style="list-style-type: none"> undervoltage release 	No
<ul style="list-style-type: none"> undervoltage release with leading contact 	No
product feature sealable	Yes
product extension auxiliary switch	Yes
product extension optional	
<ul style="list-style-type: none"> locking capability 	Yes
<ul style="list-style-type: none"> phase failure monitoring 	No
<ul style="list-style-type: none"> fuse monitoring 	No
<ul style="list-style-type: none"> voltage trigger 	No
<ul style="list-style-type: none"> overvoltage protection monitoring 	No
Product function	
product function overvoltage protection monitoring	No
Connections	
arrangement of electrical connectors for main current circuit	other
connectable conductor cross-section for main contacts	
<ul style="list-style-type: none"> solid or stranded minimum 	1.5 mm ²
<ul style="list-style-type: none"> solid or stranded maximum 	50 mm ²
<ul style="list-style-type: none"> finely stranded with core end processing minimum 	1.5 mm ²
<ul style="list-style-type: none"> finely stranded with core end processing maximum 	35 mm ²
<ul style="list-style-type: none"> stranded minimum 	16 mm ²
<ul style="list-style-type: none"> stranded maximum 	50 mm ²
tightening torque with screw-type terminals	
<ul style="list-style-type: none"> minimum 	4 N·m
<ul style="list-style-type: none"> maximum 	5 N·m
type of connectable conductor cross-sections of the laminated conductors maximum	6 x (9 x 0.8) mm
type of connection technology	Box terminal
Mechanical Design	

height	208 mm
width	53 mm
width of the busbar	
• minimum	12 mm
• maximum	30 mm
depth	129 mm
fastening method	busbar
fastening method	
• floor mounting	No
• rail mounting	Yes
mounting position	horizontal/vertical
busbar center-to-center spacing	60 mm
net weight	0.61 kg

Environmental conditions

ambient temperature during operation	
• minimum	-25 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-50 °C
• maximum	80 °C

Certificates

reference code according to IEC 81346-2	Q
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Approvals Certificates

General Product Approval	Test Certificates
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[Confirmation](#)

[Miscellaneous](#)



[Type Test Certificates/Test Report](#)

other	Environment
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[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3NP1113-1BC20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP1113-1BC20>

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

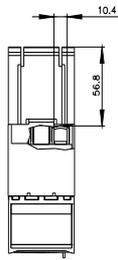
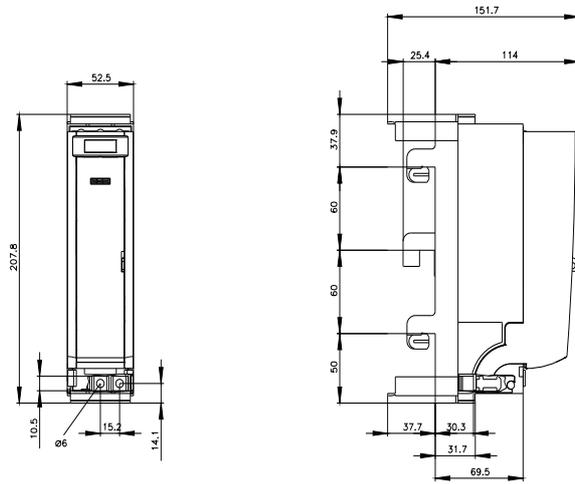
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1113-1BC20

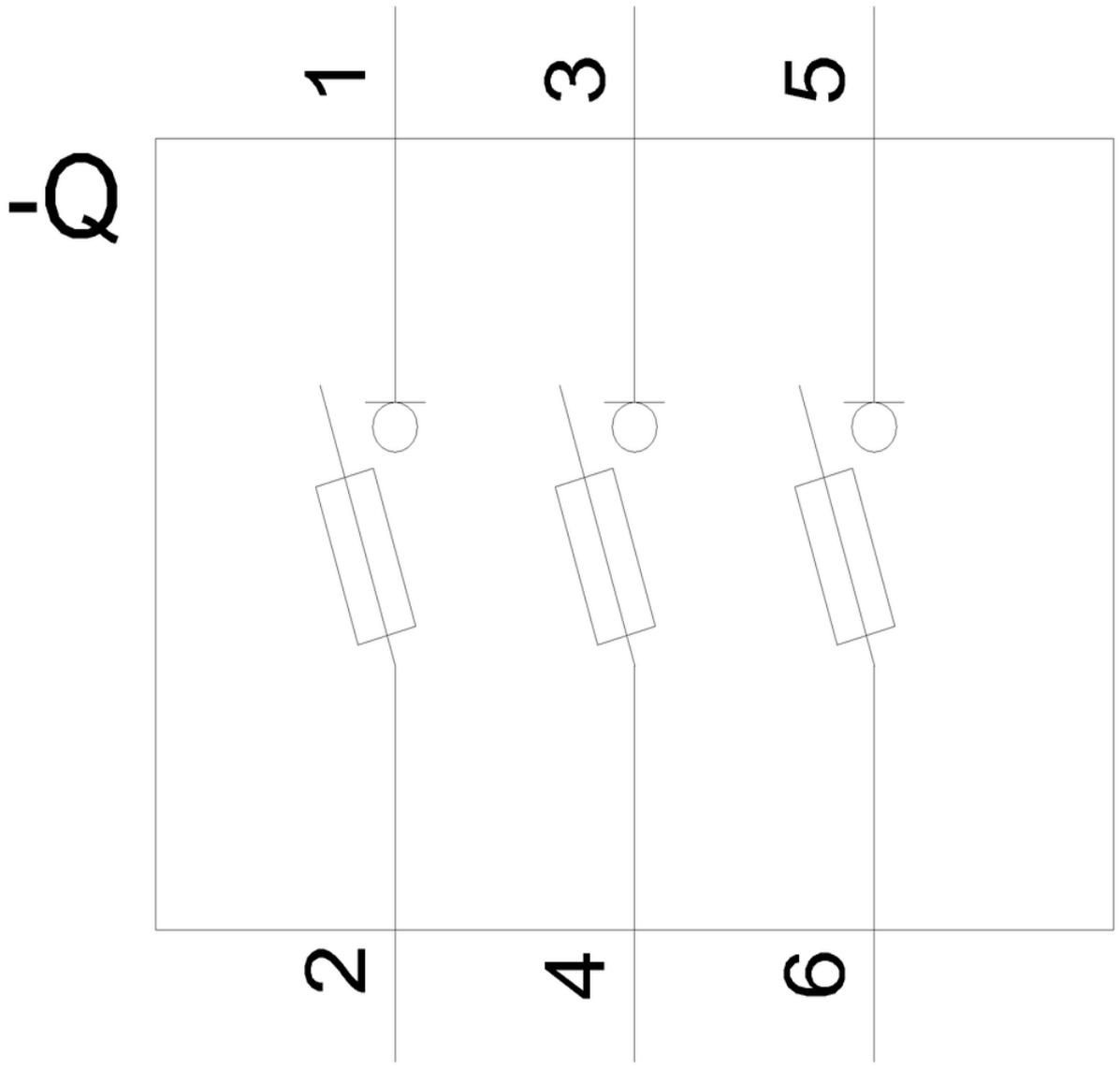
CAX-Online-Generator

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

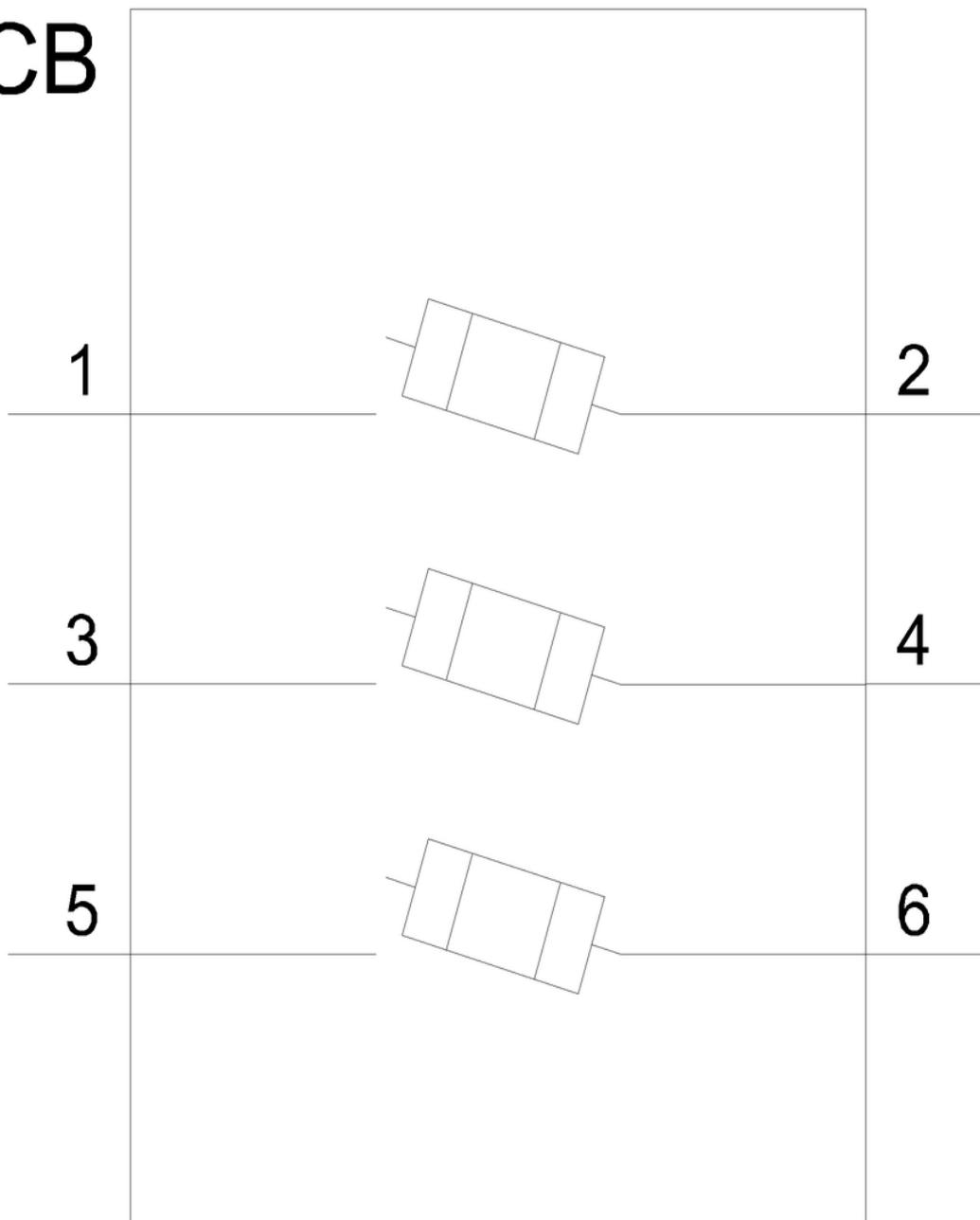
Tender specifications

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





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