



Figure similar

FUSE-SWITCH-DISCONNECTOR I=160A, U=690V, 3-POLE AUXILIARY SWITCH 1NO+1NC WITH CLAMP CONNECTION WITH FUSE MONITORING BY 3VU13, WITH AUXILIARY SWITCH 1NO+1NC FUSE SIZE NH00

Model		
product brand name		SENTRON
Product designation		3NP5 fuse switch disconnecter
<b>Design of the product</b>		for assembly and installation with AUX 1NO+1NC/1NO+1NC, with high-speed closing and fuse monitoring SUE
<b>Design type</b>		For mounting and installation, with Auxiliary contact 1NO+1NC/1NO+1NC
<b>Design of the operating mechanism</b>		handle unit
<b>Design of the load switch / Strip form</b>		No
General technical data		
<b>Number of poles</b>		3
<b>Size of disconnecting link</b>		00 and 000
<b>Continuous current / at 35 °C / Rated value</b>	A	160
<b>power factor cos phi / in utilization category</b>		
• AC-21 B / at 400 V		0.95
• AC-21 B / at 500 V		0.95
• AC-22 B / at 400 V		0.65
• AC-22 B / at 500 V		0.65
<b>circuit-breaker / Design</b>		<a href="#">3NP506</a>
<b>Mounting type</b>		Fixed mounting
<b>Fuse system</b>		LV HRC fuse
Voltage		
<b>Insulation voltage / Rated value</b>	V	690
<b>Surge voltage resistance / Rated value</b>	kV	6

Protection class		
Protection class IP / on the front		IP00
Dissipation		
<b>Active power loss</b>		
• maximum	W	8
Electricity		
Current / Rated value	A	160
<b>Continuous current</b>		
• Rated value	A	160
• at 40 °C / Rated value	A	157
• at 45 °C / Rated value	A	154
• at 50 °C / Rated value	A	147
• at 55 °C / Rated value	A	141
• at 60 °C / Rated value	A	133
• at 65 °C / Rated value	A	136
• at 70 °C / Rated value	A	117
<b>Let-through current / I<sub>2 t</sub> / maximum permissible / in utilization category</b>		
• AC-21 B / at 400 V	A <sup>2</sup> ·s	225 000
• AC-21 B / at 500 V	A <sup>2</sup> ·s	225 000
• AC-22 B / at 400 V	A <sup>2</sup> ·s	225 000
• AC-22 B / at 500 V	A <sup>2</sup> ·s	225 000
<b>Let-through current / I<sub>c</sub> / maximum permissible / in utilization category</b>		
• AC-21 B / at 400 V	kA	15
• AC-21 B / at 500 V	kA	15
• AC-22 B / at 400 V	kA	15
• AC-22 B / at 500 V	kA	15
Main circuit		
<b>Operating voltage</b>		
• with AC / at 50/60 Hz / Rated value	V	690
• with AC / Rated value / maximum	V	690
• for DC / Rated value	V	440
Operating current / at AC-21 / Rated value	A	160
<b>Rated current I<sub>e</sub> / maximum / in utilization category</b>		
• AC-21 B / at 400 V	A	160
• AC-21 B / at 500 V	A	160
• AC-22 B / at 400 V	A	160
• AC-22 B / at 500 V	A	160
Auxiliary circuit		

Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1

### Suitability

<b>Suitability for use</b>		system protection
• Main switch		No
• switch disconnecter		Yes
• EMERGENCY OFF switch		No
• safety switch		Yes

### Product function

Product function / fuse monitoring		Yes
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### Short circuit

Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) / at 400 V / Rated value	kA	1.6
<b>Conditional rated short-circuit current / in utilization category</b>		
• AC-21 B / at 400 V	kA	50
• AC-21 B / at 500 V	kA	50
• AC-22 B / at 400 V	kA	50
• AC-22 B / at 500 V	kA	50

### Connections

<b>Type of electrical connection</b>		Terminal clamp, 1 conductor 2.5-50 mm <sup>2</sup> , 2 conductors 1x2.5-50 mm <sup>2</sup> a. 1x2.5-35 mm <sup>2</sup>
• for main current circuit		terminal clamp

### Mechanical Design

<b>Height</b>	mm	196
<b>Width</b>	mm	134
<b>Depth</b>	mm	161.5
<b>Number of width units</b>		1
<b>Mounting type</b>		floor mounting
<b>Mounting type</b>		
• floor mounting		Yes
• front mounting		No
• rail mounting		No

### Environmental conditions

<b>Installation altitude / at height above sea level / maximum</b>	m	2 000
<b>Ambient temperature</b>		
• during operation / minimum	°C	-25
• during operation / maximum	°C	55
• during storage / minimum	°C	-50

- during storage / maximum

°C	80
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## Certificates

### Equipment marking

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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### General Product Approval

### Declaration of Conformity

### Test Certificates

### other



CCC



GOST



EG-Konf.

[Special Test Certificate](#)

[other](#)

### other

[Confirmation](#)

## 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/3NP50600EB86>

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

<http://support.automation.siemens.com/WW/view/en/3NP50600EB86/all>

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

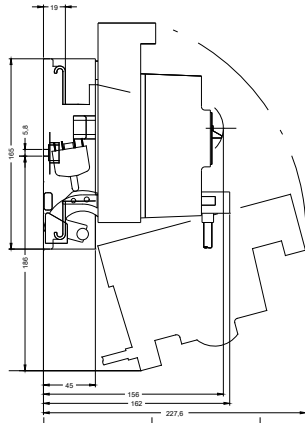
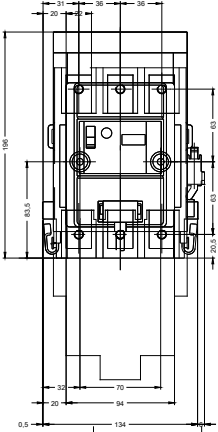
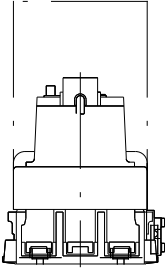
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP50600EB86](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP50600EB86)

### CAX-Online-Generator

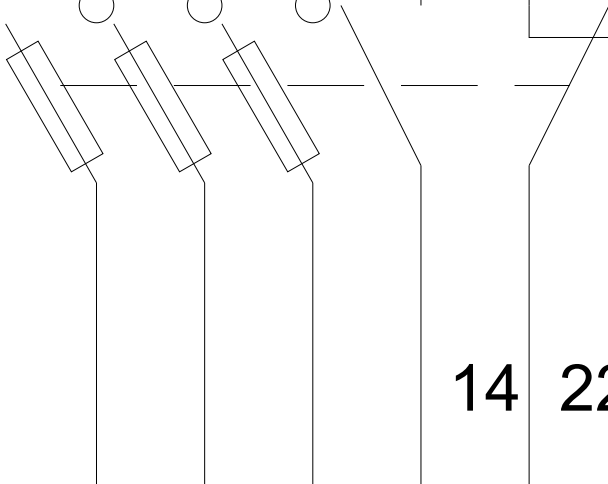
<http://www.siemens.com/cax>

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



13 21



14 22

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