



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 2S FUSE SIZE NH00

Model		
product brand name		SENTRON
Product designation		3NP5 fuse switch disconnecter
Design of the product		for assembly and installation with AUX 1NO+1NC/2NO, with high-speed closing and fuse monitoring SUE
Design type		For mounting and installation, with Auxiliary contact 1NO+1NC/2NO
Design of the operating mechanism		handle unit
Design of the load switch / Strip form		No
General technical data		
Number of poles		3
Size of disconnecting link		00 and 000
Continuous current / at 35 °C / Rated value	A	160
power factor cos phi / in utilization category		
• 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
circuit-breaker / Design		3NP506
Mounting type		Fixed mounting
Fuse system		LV HRC fuse
Voltage		
Insulation voltage / Rated value	V	690
Surge voltage resistance / Rated value	kV	6

Protection class		
Protection class IP / on the front		IP00
Dissipation		
Active power loss		
• maximum	W	8
Electricity		
Current / Rated value	A	160
Continuous current		
• 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
Let-through current / I_{2 t} / maximum permissible / in utilization category		
• AC-21 B / at 400 V	A ² ·s	225 000
• AC-21 B / at 500 V	A ² ·s	225 000
• AC-22 B / at 400 V	A ² ·s	225 000
• AC-22 B / at 500 V	A ² ·s	225 000
Let-through current / I_c / maximum permissible / in utilization category		
• 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		
Operating voltage		
• 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
Rated current I_e / maximum / in utilization category		
• 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		0
Number of NO contacts / for auxiliary contacts		2

Suitability

Suitability for use		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 _{cu}) / at 400 V / Rated value	kA	1.6
Conditional rated short-circuit current / in utilization category		
• 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

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

Mechanical Design

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

Environmental conditions

Installation altitude / at height above sea level / maximum	m	2 000
Ambient temperature		
• 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

Q
Q

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/3NP50600EB26>

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

<http://support.automation.siemens.com/WW/view/en/3NP50600EB26/all>

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

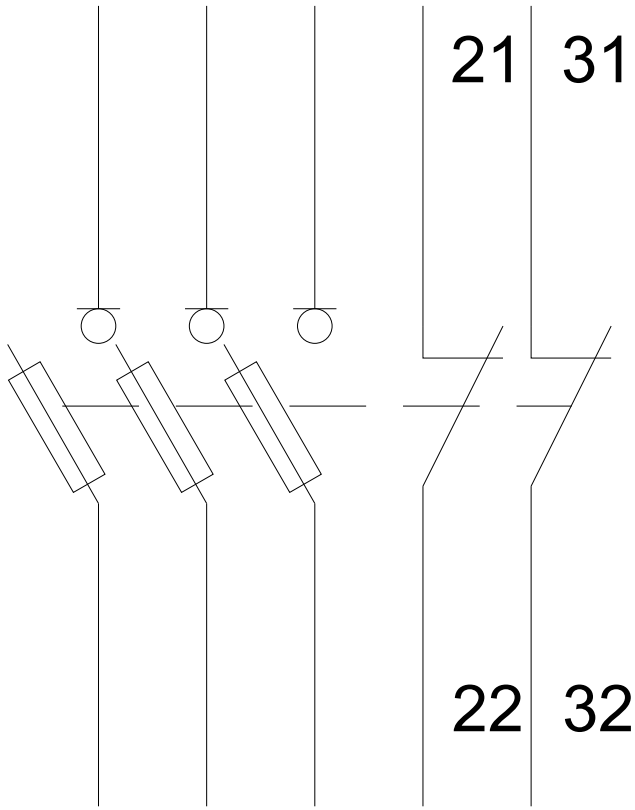
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP50600EB26

CAX-Online-Generator

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

Tender specifications

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



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