



Figure similar

FUSE-SWITCH-DISCONNECTOR I=160A, U=690V, 3-POLE AUXILIARY SWITCH 1NO+1NC FOR CABLE-LUG CONNECTION WITH FUSE MONITORING BY 3RV, WITH AUXILIARY SWITCH 1NO+1NC 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/1NO+1NC, with high-speed closing and fuse monitoring SUE
Design type		For mounting and installation, with Auxiliary contact 1NO+1NC/1NO+1NC
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	160
• at 45 °C / Rated value	A	160
• at 50 °C / Rated value	A	157
• at 55 °C / Rated value	A	152
• at 60 °C / Rated value	A	144
• at 65 °C / Rated value	A	136
• at 70 °C / Rated value	A	128
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		1
Number of NO contacts / for auxiliary contacts		1

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		Flat-type terminal 2.5-150 mm ² DIN 46 234 a. up to 95 mm ² DIN 46 235
• for main current circuit		flat connector

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/3NP50600EA86>

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

<http://support.automation.siemens.com/WW/view/en/3NP50600EA86/all>

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

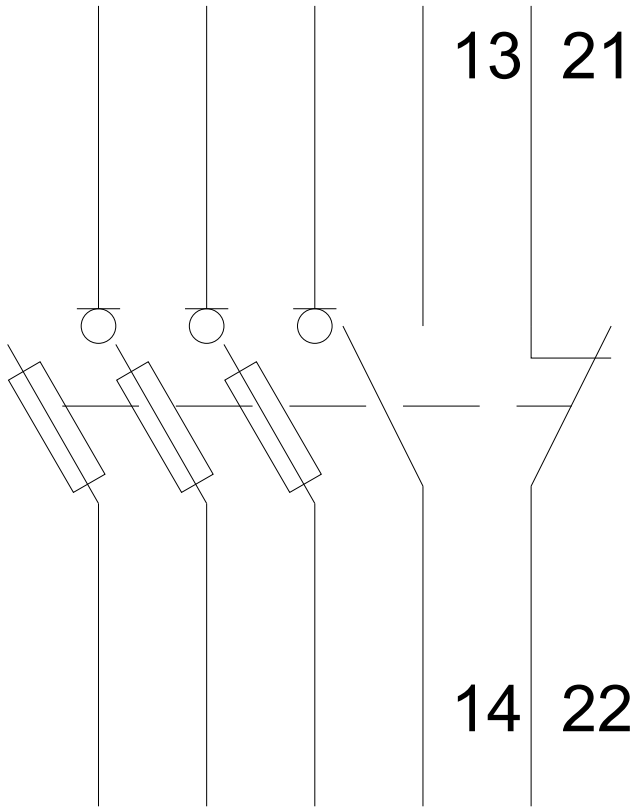
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP50600EA86

CAX-Online-Generator

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

Tender specifications

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



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