

SENTRON, Fuse switch disconnecter 3NP4, 3-pole, NH00, 160 A, for assembly and installation on mounting plate, screw terminal



Figure similar

Model	
Product brand name	SENTRON
Product designation	3NP4 fuse switch disconnecter
Design type	For assembly and installation, can also be snapped on 35 mm DIN rail, without high-speed closing
Design of the operating mechanism	Cover handle
Design of the load switch / Strip form	No

General technical data	
Number of poles	3
Size of disconnecting link	NH000, NH00
Size of fuse link	NH000, NH00
Continuous current / at 35 °C / rated value	160 A
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	3NP407
Mounting type	Fixed mounting
Fuse system	LV HRC fuse

Voltage	
Type of voltage	AC/DC
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV

Protection class	
Protection class IP / on the front	IP00

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.33 W

Electricity	
Current / rated value	160 A
Continuous current	
• rated value	160 A
• at 40 °C / rated value	160 A
• at 45 °C / rated value	160 A
• at 50 °C / rated value	157 A
• at 55 °C / rated value	154 A
• at 60 °C / rated value	139 A
• at 65 °C / rated value	131 A
Let-through current / I _{2 t} / maximum permissible / in utilization category	
• AC-21 B / at 400 V	225 000 A ² ·s
• AC-21 B / at 500 V	225 000 A ² ·s
• AC-22 B / at 400 V	225 000 A ² ·s
• AC-22 B / at 500 V	225 000 A ² ·s
Let-through current / I _c / maximum permissible / in utilization category	
• AC-21 B / at 400 V	15 kA
• AC-21 B / at 500 V	15 kA
• AC-22 B / at 400 V	15 kA
• AC-22 B / at 500 V	15 kA

Main circuit	
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at AC / rated value / maximum	690 V
• at DC / rated value	220 V
Rated current I _e / maximum / in utilization category	
• AC-21 B / at 400 V	160 A

- AC-21 B / at 500 V 160 A
- AC-22 B / at 400 V 160 A
- AC-22 B / at 500 V 100 A

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	No
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Short circuit

Maximum short-circuit current breaking capacity (Icu) / at 400 V / rated value	0.8 kA
Conditional rated short-circuit current / in utilization category	
• AC-21 B / at 400 V	50 kA
• AC-21 B / at 500 V	50 kA
• AC-22 B / at 400 V	50 kA
• AC-22 B / at 500 V	50 kA

Connections

Type of electrical connection	2.5 - 70 mm ²
• for main current circuit	screw-type terminals

Mechanical Design

Height	170 mm
Width	108 mm
Depth	81.5 mm
Number of width units	1
Mounting type	Mounting plate
Mounting type	
• floor mounting	Yes
• front mounting	No
• rail mounting	No
Net weight	727 g

Environmental conditions

Degree of pollution	3
Installation altitude / at height above sea level / maximum	2 000 m
Ambient temperature	
• during operation / minimum	-25 °C

- during operation / maximum
- during storage / minimum
- during storage / maximum

55 °C
-50 °C
80 °C

Certificates

Reference code

- 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



UR

[Miscellaneous](#)



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)

other

[Confirmation](#)

Further information

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=3NP4070-0CA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP4070-0CA01>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP4070-0CA01

CAX-Online-Generator

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

Tender specifications

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



