

SETRON, Fuse switch disconnecter 3NP5, 3-pole, NH00, 160 A, with Adapter for Busbar system 8US 40 mm, with high-speed closing, screw terminal, Auxiliary switch on switch disconnecter: 1 NO+1 NC



Figure similar

Model	
Product brand name	SETRON
Product designation	3NP5 fuse switch disconnecter
Design of the product	auxiliary switch at the switch disconnecter: 1 NO + 1 NC
Design type	For adaptation 40 mm busbar systems with AUX 1 NO + 1 NC, with 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

<ul style="list-style-type: none"> • AC-22 B / at 500 V 	0.65
circuit-breaker / Design	3NP506
Mounting type	Plug-in
Fuse system	LV HRC fuse

Voltage

Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Type of voltage	AC/DC
Operating voltage	
<ul style="list-style-type: none"> • at AC / rated value / maximum 	690 V
<ul style="list-style-type: none"> • at AC / at 50/60 Hz / rated value 	690 V
<ul style="list-style-type: none"> • at DC / rated value 	440 V

Protection class

Protection class IP / on the front	IP00
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Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.66 W
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Current

Current / rated value	160 A
Continuous current	
<ul style="list-style-type: none"> • rated value 	160 A
<ul style="list-style-type: none"> • at 40 °C / rated value 	157 A
<ul style="list-style-type: none"> • at 45 °C / rated value 	154 A
<ul style="list-style-type: none"> • at 50 °C / rated value 	152 A
<ul style="list-style-type: none"> • at 55 °C / rated value 	149 A
<ul style="list-style-type: none"> • at 60 °C / rated value 	144 A
<ul style="list-style-type: none"> • at 65 °C / rated value 	136 A
<ul style="list-style-type: none"> • at 70 °C / rated value 	128 A
Let-through current / I _{2t} / maximum permissible / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V 	225 000 A ² ·s
<ul style="list-style-type: none"> • AC-21 B / at 500 V 	225 000 A ² ·s
<ul style="list-style-type: none"> • AC-22 B / at 400 V 	225 000 A ² ·s
<ul style="list-style-type: none"> • AC-22 B / at 500 V 	225 000 A ² ·s
Let-through current / I _c / maximum permissible / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V 	15 kA
<ul style="list-style-type: none"> • AC-21 B / at 500 V 	15 kA
<ul style="list-style-type: none"> • AC-22 B / at 400 V 	15 kA
<ul style="list-style-type: none"> • AC-22 B / at 500 V 	15 kA

Main circuit

Rated current I _e / maximum / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V 	160 A
<ul style="list-style-type: none"> • AC-21 B / at 500 V 	160 A
<ul style="list-style-type: none"> • AC-22 B / at 400 V 	160 A
<ul style="list-style-type: none"> • AC-22 B / at 500 V 	160 A

Suitability

Suitability for use	system protection
<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

Product function

Product function / fuse monitoring	No
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Short circuit

Maximum short-circuit current breaking capacity (I _{cu}) / at 400 V / rated value	1.6 kA
Conditional rated short-circuit current / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V 	50 kA
<ul style="list-style-type: none"> • AC-21 B / at 500 V 	50 kA
<ul style="list-style-type: none"> • AC-22 B / at 400 V 	50 kA
<ul style="list-style-type: none"> • AC-22 B / at 500 V 	50 kA

Connections

Type of electrical connection	2.5 - 150 mm ² DIN 46 234 a. up to 95 mm ² DIN 46 235
<ul style="list-style-type: none"> • for main current circuit 	screw-type terminals

Mechanical Design

Height	196 mm
Width	134 mm
Depth	115.5 mm
Number of width units	1
Mounting type	Busbar
Mounting type	
<ul style="list-style-type: none"> • floor mounting 	No
<ul style="list-style-type: none"> • front mounting 	No
<ul style="list-style-type: none"> • rail mounting 	Yes
Busbar center-to-center spacing	40 mm
Net weight	2 370 g

Environmental conditions

Installation altitude / at height above sea level / maximum	2 000 m
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- during operation
- during storage

-25 ... +55 °C

-50 ... +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
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CCC

[Miscellaneous](#)



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)

[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=3NP5065-1CF10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP5065-1CF10>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5065-1CF10

CAX-Online-Generator

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

Tender specifications

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

