

SETRON, Fuse switch disconnecter 3NP5, 3-pole, NH00, 160 A, with Adapter for Busbar system 8US 40 mm, with high-speed closing, Clamp terminal, Auxiliary switch at 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

• 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	
• at AC / rated value / maximum	690 V
• at AC / at 50/60 Hz / rated value	690 V
• 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	
• rated value	160 A
• at 40 °C / rated value	157 A
• at 45 °C / rated value	154 A
• at 50 °C / rated value	147 A
• at 55 °C / rated value	141 A
• at 60 °C / rated value	133 A
• at 65 °C / rated value	125 A
• at 70 °C / rated value	117 A
Let-through current / I_{2t} / 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

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	160 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 (I _{cu}) / at 400 V / rated value	1.6 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	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	196 mm
Width	134 mm
Depth	115.5 mm
Number of width units	1
Mounting type	Busbar
Mounting type	
• floor mounting	No
• front mounting	No
• rail mounting	Yes
Busbar center-to-center spacing	40 mm
Net weight	2 437 g

Environmental conditions

Installation altitude / at height above sea level / maximum	2 000 m
<ul style="list-style-type: none"> during operation during storage 	-25 ... +55 °C -50 ... +80 °C

Certificates

Reference code	
<ul style="list-style-type: none"> acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 	Q Q

General Product Approval	Declaration of Conformity	Test Certificates	other
 CCC	 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=3NP5065-1CG10>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3NP5065-1CG10>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5065-1CG10
- CAX-Online-Generator**
<http://www.siemens.com/cax>
- Tender specifications**
<http://www.siemens.com/specifications>

