

SETRON, Fuse switch disconnecter 3NP5, 3-pole, NH00, 160 A, for assembly and installation on mounting plate, with High-speed closing, screw terminal, Fuse monitoring: through 3RV, Auxiliary switch at Switch disconnecter: 1 NO+1 NC, Auxiliary switch at the Fuse monitoring: 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, auxiliary switch at the fuse monitoring device: 1 NO + 1 NC
Design type	For assembly and installation with AUX 1 NO + 1 NC/1 NO + 1 NC, with high-speed closing and fuse monitoring SUE
Design of the safety monitoring	by 3RV
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

<ul style="list-style-type: none"> • AC-21 B / at 500 V 	0.95
<ul style="list-style-type: none"> • 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	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	2.66 W

Electricity	
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 	160 A
<ul style="list-style-type: none"> • at 45 °C / rated value 	160 A
<ul style="list-style-type: none"> • at 50 °C / rated value 	157 A
<ul style="list-style-type: none"> • at 55 °C / rated value 	152 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 _{2 t} / 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	
Operating voltage	
<ul style="list-style-type: none"> • at AC / at 50/60 Hz / rated value 	690 V

• at AC / rated value / maximum	690 V
• at DC / rated value	440 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	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	Yes
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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	2.5 - 150 mm ² DIN 46 234 a. up to 95 mm ² DIN 46 235
• for main current circuit	screw-type terminals

Mechanical Design

Height	196 mm
Width	134 mm
Depth	161.5 mm
Number of width units	1
Mounting type	Mounting plate
Mounting type	
• floor mounting	Yes
• front mounting	No
• rail mounting	No
Net weight	2 435 g

Environmental conditions



Degree of pollution	3
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Installation altitude / at height above sea level / maximum	2 000 m
Ambient temperature	
• during operation / minimum	-25 °C
• during operation / maximum	55 °C
• during storage / minimum	-50 °C
• during storage / maximum	80 °C

Certificates

Reference code

- acc. to DIN EN 61346-2 Q
- acc. to DIN EN 81346-2 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=3NP5060-0EA86>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP5060-0EA86>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5060-0EA86

CAX-Online-Generator

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

Tender specifications

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

