

SETRON, Fuse switch disconnecter 3NP5, 3-pole, NH00, 160 A, for assembly and installation on mounting plate, with High-speed closing, screw terminal



Figure similar

Model	
Product brand name	SETRON
Product designation	3NP5 fuse switch disconnecter
Design type	For assembly and installation, 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	Fixed mounting
Fuse system	LV HRC fuse
<b>Voltage</b>	
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"> <li>• at AC / rated value / maximum</li> <li>• at AC / at 50/60 Hz / rated value</li> <li>• at DC / rated value</li> </ul>	<p>690 V</p> <p>690 V</p> <p>440 V</p>
<b>Protection class</b>	
Protection class IP / on the front	IP00
<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.66 W
<b>Current</b>	
Current / rated value	160 A
Continuous current	
<ul style="list-style-type: none"> <li>• rated value</li> <li>• at 40 °C / rated value</li> <li>• at 45 °C / rated value</li> <li>• at 50 °C / rated value</li> <li>• at 55 °C / rated value</li> <li>• at 60 °C / rated value</li> <li>• at 65 °C / rated value</li> <li>• at 70 °C / rated value</li> </ul>	<p>160 A</p> <p>160 A</p> <p>160 A</p> <p>157 A</p> <p>152 A</p> <p>144 A</p> <p>136 A</p> <p>128 A</p>
Let-through current / I <sub>2 t</sub> / maximum permissible / in utilization category	
<ul style="list-style-type: none"> <li>• AC-21 B / at 400 V</li> <li>• AC-21 B / at 500 V</li> <li>• AC-22 B / at 400 V</li> <li>• AC-22 B / at 500 V</li> </ul>	<p>225 000 A<sup>2</sup>·s</p> <p>225 000 A<sup>2</sup>·s</p> <p>225 000 A<sup>2</sup>·s</p> <p>225 000 A<sup>2</sup>·s</p>
Let-through current / I <sub>c</sub> / maximum permissible / in utilization category	
<ul style="list-style-type: none"> <li>• AC-21 B / at 400 V</li> <li>• AC-21 B / at 500 V</li> <li>• AC-22 B / at 400 V</li> <li>• AC-22 B / at 500 V</li> </ul>	<p>15 kA</p> <p>15 kA</p> <p>15 kA</p> <p>15 kA</p>
<b>Main circuit</b>	
Rated current I <sub>e</sub> / maximum / in utilization category	
<ul style="list-style-type: none"> <li>• AC-21 B / at 400 V</li> </ul>	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
------------------------------------	----

### Short circuit

Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) / 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 <sup>2</sup> DIN 46 234 a. up to 95 mm <sup>2</sup> DIN 46 235
• for main current circuit	screw-type terminals

### Mechanical Design

Height	196 mm
Width	134 mm
Depth	97.5 mm
Number of width units	1
Mounting type	Mounting plate
Mounting type	
• floor mounting	Yes
• front mounting	No
• rail mounting	No
Net weight	1 610 g

### Environmental conditions



Installation altitude / at height above sea level / maximum	2 000 m
• during operation	-25 ... +55 °C
• during storage	-50 ... +80 °C

### Certificates

Reference code

- 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.	<a href="#">Special Test Certificate</a>	<a href="#">Miscellaneous</a> <a href="#">Confirmation</a>

[Miscellaneous](#)

[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=3NP5060-0CA00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP5060-0CA00>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP5060-0CA00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5060-0CA00)

**CAX-Online-Generator**

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

**Tender specifications**

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

