

SENTRON, Fuse switch disconnecter 3NP3, 3-pole, NH00, 160 A, for assembly and installation on mounting plate, box terminal, can also be snapped onto standard mounting rail 35 mm



Model	
Product brand name	SENTRON
Product designation	3NP3 fuse switch disconnecter
Design of the product	Can also be snapped onto standard mounting rail 35 mm
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	3NP353

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	1.66 W
maximum	5 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	157 A
at 50 °C / rated value	154 A
at 55 °C / rated value	146 A
at 60 °C / rated value	139 A
at 65 °C / rated value	131 A
at 70 °C / rated value	122 A
Let-through current / I _{2 t} / maximum permissible / in utilization category	
AC-21 B / at 400 V	130 000 A ² ·s
AC-21 B / at 500 V	80 000 A ² ·s
AC-22 B / at 400 V	130 000 A ² ·s
AC-22 B / at 500 V	80 000 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	10 kA
AC-22 B / at 400 V	15 kA
AC-22 B / at 500 V	10 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 disconnector	Yes
• EMERGENCY OFF switch	No
• safety switch	Yes
Product function	
Product function / fuse monitoring	No
Short circuit	
Maximum short-circuit current breaking capacity (I _{cu}) / 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	1.5 - 50 mm ²
• for main current circuit	Box terminal
Mechanical Design	
Height	178 mm
Width	89 mm
Depth	118 mm
Number of width units	1
Mounting type	Mounting plate
Mounting type	
• floor mounting	Yes
• front mounting	No
• rail mounting	No
Net weight	523 g
Environmental conditions	
Degree of pollution	3

Installation altitude / at height above sea level / maximum	2 000 m
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Certificates

Reference identifier

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval	other
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[Miscellaneous](#)



EG-Konf.

[Special Test Certificate](#)



GL

[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=3NP3530-0CH00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP3530-0CH00>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP3530-0CH00

CAX-Online-Generator

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

Tender specifications

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