

Switch disconnecter with fuses In-line design, pluggable NH00 160 A, 3-pole High switching capacity H manual operation without auxiliary switch 1 current transformer on 1 ammeter, Moving iron Multifunctional connector 100/1A, Cl. 1

Model	
Product brand name	SENTRON
version	With double disconnection
Design type	plug-in to busbars with 185mm center-line spacing
Type of ammeter	moving iron
Type of switching contact / double breaking switching contact	Yes
Design of the load switch / Strip form	Yes
Type of the driving mechanism	manual operating mechanism

General technical data	
Number of poles	3
Field of application	LINE PROTECTION
Size of disconnecting link	00
Size of fuse link	00
power factor cos phi / in utilization category	
• AC-21 B / at 400 V	0.95
• AC-22 B / at 400 V	0.65
• AC-22 B / at 500 V	0.65
circuit-breaker / Design	3NJ620
Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	Q
Fuse system	LV HRC fuse

Voltage	
Rated operational voltage Ue / max.	690 V
Rated insulation voltage Ui	1 000 V
Insulation voltage / rated value	1 000 V
Surge voltage resistance / rated value	8 000 V
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V

Protection class	
Protection class IP	IP41

Current	
Number of transformers	1

rated current I_n	
<ul style="list-style-type: none"> • max. • at 35 Cel • at 40 Cel • at 45 Cel • at 50 Cel 	<p>160 A</p> <p>160 A</p> <p>152 A</p> <p>144 A</p> <p>136 A</p>
Current	
<ul style="list-style-type: none"> • at output / rated value • at input / rated value 	<p>1 A</p> <p>100 A</p>
Continuous current / rated value	160 A
Let-through current / I_{2t} / maximum permissible / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V • AC-21 B / at 500 V • AC-22 B / at 400 V • AC-22 B / at 500 V 	<p>223 000 A²·s</p> <p>223 000 A²·s</p> <p>223 000 A²·s</p> <p>223 000 A²·s</p>
Let-through current / I_c / maximum permissible / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V • AC-21 B / at 500 V • AC-22 B / at 400 V • AC-22 B / at 500 V 	<p>66 000 A</p> <p>66 000 A</p> <p>66 000 A</p> <p>66 000 A</p>
Accuracy class / of the current transformer	class 1

Short circuit

Maximum short-circuit current breaking capacity (I_{cu}) / at 400 V / rated value	66 kA
---	-------

Connections

Type of connection, main circuit	Stud terminal, M8
Type of electrical connection / for main current circuit	stud terminals

Mechanical Design

Height	49 mm
Width	590 mm
Depth	308 mm
Type of mounting	plug-in version
Mounting type	pluggable
Design of the wiring of the transformer	1 current transformer to 1 ammeter and multifunction plug
Busbar center-to-center spacing	185 mm
Busbar center-to-center spacing	
<ul style="list-style-type: none"> • 40 mm • 50 mm • 60 mm 	<p>No</p> <p>No</p> <p>No</p>

- 100 mm
- 185 mm

No
Yes

Environmental conditions

Installation altitude / at height above sea level / maximum
 • during operation

2 000 m
 -25 ... +55 °C

Certificates

Reference code
 • acc. to DIN EN 61346-2

Q

General Product Approval

**Declaration of Con-
formity**

other



[Miscellaneous](#)



[Miscellaneous](#)

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=3NJ6203-3AA00-1ED1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ6203-3AA00-1ED1>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ6203-3AA00-1ED1

CAX-Online-Generator

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

Tender specifications

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