

In-line fuse switch disconnecter 3-pole selectable, Sz. 00 I=160 A, U=690 V Screw terminal M8 New design



Model	
Product brand name	SENTRON
Product designation	Fuse switch disconnectors
Design of the product	in in-line design
Type of switching contact / double breaking switching contact	No
Design of the auxiliary release	Without
Design of the safety monitoring	Without
Design of the load switch / Strip form	Yes

General technical data	
Number of poles	3
Number of poles / Note	3-pole switchable
Type of device	For busbar system 100 mm
Size of fuse link	NH000, NH00
Operating current / at 35 °C / rated value	160 A
cut-off value I <sup>2</sup> t <sub>max.</sub> / 500 V	225 000 A <sup>2</sup> ·s
circuit-breaker / Design	3NJ4
Fuse system	LV HRC fuse

Voltage	
Insulation voltage / rated value	800 V
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 V
Protection class	
Protection class IP / on the front	IP30
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	6 W
Current	
Number of transformers	0
Continuous current	
• rated value	160 A
• at 40 °C / rated value	152 A
• at 45 °C / rated value	144 A
• at 50 °C / rated value	136 A
• at 55 °C / rated value	128 A
• at 60 °C / rated value	120 A
• at 65 °C / rated value	112 A
• at 70 °C / rated value	110.5 A
Let-through current / I <sub>c</sub> / maximum permissible	
• 400 V	15 kA
• 500V	15 kA
cut-off value I <sup>2</sup> t <sub>max.</sub> / 400 V	225 000 A <sup>2</sup> ·s
Main circuit	
Operating current	
• rated value	160 A
• with capacitive load / at 400 V / rated value	72 A
• with capacitive load / at 500 V / rated value	55 A
Suitability	
Suitability for operation	System protection
Suitability for use	
• Main switch	No
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	No
• maintenance/repair switch	No
Product details	
Product component	

- |   |    |
|---|----|
| • Voltage trigger                           | No |
| • undervoltage release                      | No |
| • undervoltage release with leading contact | No |

### Short circuit

Conditional rated short-circuit current / in utilization category	
• AC-21 B / at 400 V	80 kA
• AC-21 B / at 500 V	80 kA
• AC-22 B / at 400 V	80 kA
• AC-22 B / at 500 V	80 kA

### Connections

Arrangement of electrical connectors / for main current circuit	Screw terminal
Type of electrical connection / for main current circuit	screw-type terminals

### Mechanical Design

Height	410 mm
Width	49.8 mm
Depth	121 mm
Mounting type	Flachanschluss, M 10
Mounting position	vertical
Busbar center-to-center spacing	100 mm
Busbar center-to-center spacing	
• 40 mm	No
• 50 mm	No
• 60 mm	No
• 100 mm	Yes
• 185 mm	No
Net weight	1.14 kg

### Environmental conditions

Ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C

### Certificates

Reference code	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>
---------------------------------	----------------------------------	--------------------------



CCC



EG-Konf.

[Special Test Certificate](#)

#### 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=3NJ4103-3BF02>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4103-3BF02>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NJ4103-3BF02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4103-3BF02)

**CAX-Online-Generator**

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

**Tender specifications**

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



