

In-line fuse switch disconnecter 3-pole selectable, Sz. 00 I=160 A,  
U=690 V Box terminal up to 70 mm<sup>2</sup> new design



Model	
product brand name	SETRON
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
operational 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	
operational 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 disconnector	Yes
• EMERGENCY OFF switch	No
• safety switch	No
• maintenance/repair switch	No
Product details	
product component	

- voltage trigger
- undervoltage release
- undervoltage release with leading contact

No  
No  
No

## Short circuit

Conditional rated short-circuit current / in utilization category

- AC-21 B / at 400 V
- AC-21 B / at 500 V
- AC-22 B / at 400 V
- AC-22 B / at 500 V

50 kA  
50 kA  
50 kA  
50 kA

## Connections

arrangement of electrical connectors / for main current circuit

Box terminals

type of electrical connection / for main current circuit

box terminal

## Mechanical Design

height

410 mm

width

49.8 mm

depth

121 mm

fastening method

Rahmenklemmen

mounting position

vertical

busbar center-to-center spacing

100 mm

busbar center-to-center spacing

- 40 mm
- 50 mm
- 60 mm
- 100 mm
- 185 mm

No  
No  
No  
Yes  
No

net weight

1.12 kg

## Environmental conditions

ambient temperature / during operation

- minimum
- maximum

-25 °C  
55 °C

## Certificates

reference code

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

Q  
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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=3NJ4103-3BR02>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4103-3BR02>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NJ4103-3BR02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4103-3BR02)**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**<http://www.siemens.com/specifications>

