



in-line fuse switch disconnecter 3-pole switchable, size 3 I=315 A, U=800 V AC  
 AC-21 B flat connector M12, for cable lug 25-300 mm<sup>2</sup> for LV HRC fuse  
 operational class gS 800 V AC 200-315 A gS 800 V AC 350-500 A 3-pole 630 A,  
 800 V AC size 3

Model	
product brand name	SENTRON
product designation	Fuse switch disconnectors
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 185 mm
size of fuse link	NH3
fuse system	LV HRC fuse
Voltage	
insulation voltage rated value	1 000 V
operational current	
• at AC-21 B at 400 V rated value	630 A
• at AC-21 B at 500 V rated value	630 A
• at AC-21 B at 690 V rated value	630 A
• at AC-21 B at 800 V rated value	315 A
• at AC-23 B at 400 V rated value	630 A
operating voltage	
• at AC rated value	800 V
Protection class	
protection class IP on the front	IP30
Dissipation	
power loss [W]	
• maximum	115 W
Main circuit	
operational current	
• rated value	315 A
Suitability	
suitability for operation	System protection
suitability for use main switch	No
suitability for use switch disconnecter	Yes
suitability for use EMERGENCY OFF switch	No
suitability for use safety switch	No
suitability for use maintenance/repair switch	No
Product details	

<b>product component</b>	
• voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No

### Short circuit

<b>conditional short-circuit current (I<sub>q</sub>)</b>	
• at AC-21 B at 400 V rated value	110 kA
• at AC-21 B at 500 V rated value	110 kA
• at AC-21 B at 690 V rated value	110 kA
• at AC-21 B at 800 V rated value	10 kA
• at AC-22 B at 400 V rated value	110 kA
• at AC-22 B at 500 V rated value	110 kA
• at AC-22 B at 690 V rated value	110 kA
• at AC-23 B at 400 V rated value	110 kA
• at AC-23 B at 500 V rated value	110 kA
• at AC-23 B at 690 V rated value	110 kA

### Connections

arrangement of electrical connectors for main current circuit	Flat terminal
type of electrical connection for main current circuit	busbar connection

### Mechanical Design

<b>height</b>	662 mm
<b>width</b>	100 mm
<b>depth</b>	195 mm
<b>fastening method</b>	Flachanschluss, M 12
<b>mounting position</b>	vertical, horizontal
<b>busbar center-to-center spacing</b>	185 mm
<b>busbar center-to-center spacing</b>	
• 40 mm	No
• 50 mm	No
• 60 mm	No
• 100 mm	No
• 185 mm	Yes

<b>Net Weight</b>	5.964 kg
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### Environmental conditions

<b>ambient temperature during operation</b>	
• minimum	-25 °C
• maximum	55 °C

### Approvals Certificates

<b>General Product Approval</b>	<b>other</b>	<b>Environment</b>
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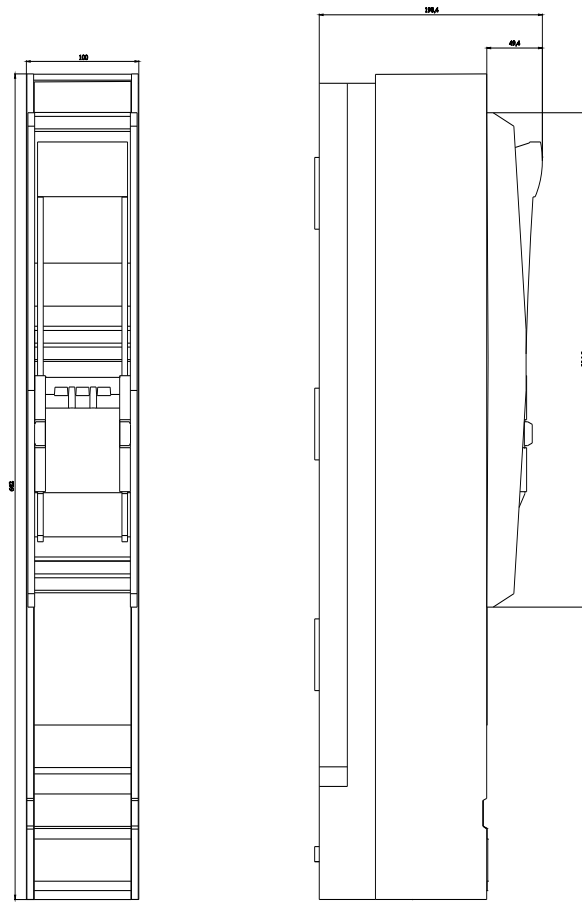


[Confirmation](#)

[Environmental Confirmations](#)

### Further information

- Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- 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=3NJ4143-3DF01>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4143-3DF01>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NJ4143-3DF01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4143-3DF01)
- CAX-Online-Generator  
<http://www.siemens.com/cax>
- Tender specifications  
<http://www.siemens.com/specifications>



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