

fixed-mounted sw. disconnecter with handle frame 1600; 4AUX Icu=55kA @ 415V, 3-pole SD100; In=1000A without overload protection w/o short-circuit protection straight bus connector extended No communication connection, no measurement function Without additional alarm switch assembly With mechanical calling without 2nd auxiliary release with 1st auxiliary release, ST Shunt release 24 V AC/DC

Model	
product brand name	SENTRON
product designation	circuit breaker
design of the product	LTS
design of the actuating element	toggel handle actuator
type of the driving mechanism	manual operating mechanism
type of the driving mechanism / motor drive	No
design of the overcurrent release	SD100
General technical data	
number of poles	3
size of the circuit-breaker	1600 A
mechanical service life (switching cycles) / typical circuit-breaker / Design	1 000 3VA2
Voltage	
insulation voltage / rated value	1 000 V
operating voltage / at AC / at 50/60 Hz / rated value	690 V
protection class IP	IP20
protection class IP / on the front	IP20
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	30 W
Current	
operational current	
• at 40 °C / rated value	1 000 A
• at 45 °C / rated value	1 000 A
• at 50 °C / rated value	1 000 A
• at 55 °C / rated value	971 A
• at 60 °C / rated value	942 A
• at 65 °C / rated value	885 A
• at 70 °C / rated value	827 A
continuous current / rated value	1 000 A
short-time withstand current (Icw)	
• limited to 1 s / rated value	20 kA
• at AC / at 415 V / limited to 0.5 s / rated value	20 kA
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	4
Suitability	
suitability for use	circuit breaker
product component	
• trip indicator	No
• voltage trigger	Yes
• undervoltage release	No
product extension / optional / motor drive	No
Display and operation	
display version	Without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	

<ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>	55 kA 36 kA 25 kA
breaking capacity maximum short-circuit current (Icu) <ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 440 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>	55 kA 55 kA 36 kA 25 kA

### Connections

arrangement of electrical connectors / for main current circuit	Main connection at the front, extension enclosed
type of electrical connection / for main current circuit	busbar connection

### Mechanical Design

height	296 mm
width	210 mm
depth	183 mm
fastening method	fixed mounting
net weight	14 kg

### Environmental conditions

ambient temperature / during operation <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-25 °C 70 °C
ambient temperature / during storage <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-40 °C 70 °C

### General Product Approval

EMC Declaration of Conformity



[Miscellaneous](#)



[UK Declaration of Conformity](#)

### Test Certificates

Marine / Shipping other

[Miscellaneous](#)



[Miscellaneous](#)

### other

Dangerous Good

[Miscellaneous](#)

[Dangerous Goods Information](#)

### Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2710-5AA05-0AA1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2710-5AA05-0AA1>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2710-5AA05-0AA1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2710-5AA05-0AA1)

**CAx-Online-Generator**

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

**Tender specifications**

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

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