

fixed-mounted sw. disconnecter with handle frame 1600; 4AUX Icu=55kA @ 415V, 3-pole SD100; In=1600A 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 without 1st auxiliary release

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	1 000
circuit-breaker / Design	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	77 W
Current	
operational current	
• at 40 °C / rated value	1 600 A
• at 45 °C / rated value	1 541 A
• at 50 °C / rated value	1 481 A
• at 55 °C / rated value	1 417 A
• at 60 °C / rated value	1 352 A
• at 65 °C / rated value	1 281 A
• at 70 °C / rated value	1 209 A
continuous current / rated value	1 600 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	No
• 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)	

• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	55 kA 36 kA 25 kA
breaking capacity maximum short-circuit current (I _{cu}) • at 415 V / rated value • at 440 V / rated value • at 500 V / rated value • at 690 V / rated value	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 • minimum • maximum	-25 °C 70 °C
ambient temperature / during storage • minimum • maximum	-40 °C 70 °C

General Product Approval	EMC	Declaration of Conformity
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[Confirmation](#)

[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
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[Miscellaneous](#)



other	Dangerous Good
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[Miscellaneous](#)

[Environmental Confirmations](#)

[Miscellaneous](#)

[Dangerous Goods Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-5AA05-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-5AA05-0AA0>

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

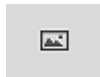
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-5AA05-0AA0

CAX-Online-Generator

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

Tender specifications

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



last modified:

3/16/2020 

