

fixed-mounted sw. disconnecter frame 1600; with RTC and 4AUX Icu=55kA @ 415V, 3-pole SD100; In=1600A without overload protection w/o short-circuit protection nut keeper kit No communication connection, no measurement function Motorized operating mechanism 24...30 V AC/DC incl. S21 spring energy store signaling switch With electr. and mech. calling Switch-on solenoid (CC) 24 V AC/DC without 2nd auxiliary release with 1st auxiliary release, ST Shunt release 24 V AC/DC

Model	
product designation	circuit breaker
design of the product	LTS
design of the actuating element	spring actuator
type of the driving mechanism	motor drive
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	SD100
General technical data	
number of poles	3
mechanical service life (operating cycles) / typical	10 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	2 000
insulation voltage / rated value	1 000 V
operational current	
• at 45 °C / rated value	1 541 A
continuous current / rated value / maximum	1 600 A
Supply voltage	
operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP / on the front	IP20
Breaking Capacity	
switching capacity class of the circuit breaker	M
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	77 W
• maximum	231 W
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	4
Suitability	
suitability for use	circuit breaker
Product details	
product component	
• trip indicator	No
• voltage trigger	Yes
• undervoltage release	No
Product function	
product function	
• communication function	No
Display and operation	
display version	Without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 240 V / rated value	100 kA
• at 415 V / rated value	55 kA
• at 440 V / rated value	55 kA
• at 500 V / rated value	36 kA

<ul style="list-style-type: none"> • at 690 V / rated value 	25 kA
maximum short-circuit current breaking capacity (Icu)	
<ul style="list-style-type: none"> • at 240 V / rated value • at 415 V / rated value • at 440 V / rated value • at 500 V / rated value • at 690 V / rated value 	100 kA 55 kA 55 kA 36 kA 25 kA
short-circuit current making capacity (Icm)	
<ul style="list-style-type: none"> • at 240 V / rated value • at 415 V / rated value • at 440 V / rated value • at 500 V / rated value • at 690 V / rated value 	220 kA 121 kA 121 kA 75.6 kA 53 kA

Connections

arrangement of electrical connectors / for main current circuit	Main connection on front side
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	13.02 kg

Environmental conditions

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

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,...)**
<https://www.siemens.com/lowvoltage/catalogs>
- Industry Mall (Online ordering system)**
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-1AA03-1BA1>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-1AA03-1BA1>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-1AA03-1BA1
- CAX-Online-Generator**
<https://www.siemens.com/cax>
- Tender specifications**
<https://www.siemens.com/specifications>
- Characteristic curves**
[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



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