

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU320, LI, In=1600A rotary coding switch Ir=640...1600A li=1.5...15 x In N conductor protec. adjustable opt. w. ext. CT; up to 200% nut keeper kit No communication connection, no measurement function With trip alarm switch TAS and trip alarm switch S25 With mechanical calling with 2nd auxiliary release, ST2 2nd shunt release 220-240 V AC/DC With 1st auxiliary release, ST Shunt release 220-240 V AC/DC

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	MCCB
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	ETU320
General technical data	
number of poles	3
size of the circuit-breaker	1600 A
mechanical service life (switching cycles) / typical	10 000
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
protection function of the overcurrent release	LI
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
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 600 A
• of instantaneous short-circuit trip unit / minimum	2 400 A
• of instantaneous short-circuit trip unit / maximum	24 000 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	system protection
Adjustable parameters	
adjustable current response value current / of the current-	640 A

dependent overload release / initial value			
product component			
• trip indicator		Yes	
• voltage trigger		Yes	
• undervoltage release		No	
product extension / optional / motor drive		No	
Product function			
product function			
• grounding protection		No	
Display and operation			
display version		Without display	
Short circuit			
breaking capacity operating short-circuit current (Ics)			
• at 415 V / rated value		55 kA	
• at 500 V / rated value		36 kA	
• at 690 V / rated value		25 kA	
breaking capacity maximum short-circuit current (Icu)			
• at 415 V / rated value		55 kA	
• at 440 V / rated value		55 kA	
• at 500 V / rated value		36 kA	
• at 690 V / rated value		25 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		14 kg	
Environmental conditions			
ambient temperature / during operation			
• minimum		-25 °C	
• maximum		70 °C	
ambient temperature / during storage			
• minimum		-40 °C	
• maximum		70 °C	
General Product Approval		EMC	Declaration of Conformity

Confirmation

Miscellaneous



UK Declaration of Conformity

Miscellaneous



Declaration of Conformity	Test Certificates	Marine / Shipping
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other

Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-5AB03-1AW7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-5AB03-1AW7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-5AB03-1AW7

CAX-Online-Generator

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

Tender specifications

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



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