

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=1250A rotary coding switch Ir=500...1250A 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 Without additional alarm switch assembly With mechanical calling without 2nd auxiliary release without 1st auxiliary release

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	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
protection function of the overcurrent release	LI
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	47 W
Current	
operational current	
• at 40 °C / rated value	1 250 A
• at 45 °C / rated value	1 250 A
• at 50 °C / rated value	1 250 A
• at 55 °C / rated value	1 240 A
• at 60 °C / rated value	1 182 A
• at 65 °C / rated value	1 122 A
• at 70 °C / rated value	1 057 A
continuous current / rated value	1 250 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 250 A
• of instantaneous short-circuit trip unit / minimum	1 875 A
• of instantaneous short-circuit trip unit / maximum	18 750 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-dependent overload release / initial value	500 A

product component			
• trip indicator	Yes		
• voltage trigger	No		
• undervoltage release	No		
product extension / optional / motor drive	No		
<b>Product function</b>			
product function			
• grounding protection	No		
<b>Display and operation</b>			
display version	Without display		
<b>Short circuit</b>			
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		
<b>Connections</b>			
arrangement of electrical connectors / for main current circuit	Main connection on front side		
type of electrical connection / for main current circuit	busbar connection		
<b>Mechanical Design</b>			
height	296 mm		
width	210 mm		
depth	183 mm		
fastening method	fixed mounting		
net weight	14 kg		
<b>Environmental conditions</b>			
ambient temperature / during operation			
• minimum	-25 °C		
• maximum	70 °C		
ambient temperature / during storage			
• minimum	-40 °C		
• maximum	70 °C		
<b>General Product Approval</b>		EMC	Declaration of Conformity

[Confirmation](#)



[Miscellaneous](#)



EG-Konf.

**Declaration of Conformity**

**Test Certificates**

**Marine / Shipping**

[UK Declaration of Conformity](#)

[Miscellaneous](#)



**other**

**Dangerous Good**

[Miscellaneous](#)

[Miscellaneous](#)

[Dangerous Goods Information](#)

[Transport Information](#)

## Further information

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2712-5AB03-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-5AB03-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2712-5AB03-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-5AB03-0AA0)

### CAX-Online-Generator

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

### Tender specifications

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



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