

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 4-pole, left ETU320, LI, In=1250A rotary coding switch Ir=500...1250A li=1.5...15 x In N conductor protec. adjustable OFF, 50%, 100%, 200% front bus connector offset No communication connection, no measurement function With trip alarm switch TAS and trip alarm switch S25 With mechanical calling without 2nd auxiliary release 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
product version	Selective Applications
design of the actuating element	toggl 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	4
size of the circuit-breaker	1600 A
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	1 250 A
continuous current rated value maximum	1 250 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	47 W
• maximum	141 W
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 details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	No
product extension optional motor drive	No
Product function	
product function	
• grounding protection	No
• communication function	No
Display and operation	

display version	Without display
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**Short circuit**

<b>operating short-circuit current breaking capacity (Ics)</b>	
<ul style="list-style-type: none"> <li>at 240 V rated value</li> <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>	100 kA 55 kA 55 kA 36 kA 25 kA

<b>maximum short-circuit current breaking capacity (Icu)</b>	
<ul style="list-style-type: none"> <li>at 240 V rated value</li> <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>	100 kA 55 kA 55 kA 36 kA 25 kA

<b>short-circuit current making capacity (Icm)</b>	
<ul style="list-style-type: none"> <li>at 240 V rated value</li> <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>	220 kA 121 kA 121 kA 75.6 kA 53 kA

**Connections**

arrangement of electrical connectors for main current circuit	Main connection at front, rail widening included
type of electrical connection for main current circuit	busbar connection

**Mechanical Design**

<b>fastening method</b>	fixed mounting
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**Environmental conditions**

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

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

**Approvals Certificates**

General Product Approval	EMV	Test Certificates
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[Miscellaneous](#)



[Miscellaneous](#)

**Marine / Shipping** other



[Confirmation](#)

[Miscellaneous](#)

**other** Dangerous goods Environment

[Miscellaneous](#)

[Dangerous goods information](#)

[Transport Information](#)

[Environmental Confirmations](#)

[Environmental Confirmations](#)

**Further information**

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information- and Downloadcenter (Catalogs, Brochures,...)  
<http://www.siemens.com/lowvoltage/catalogs>  
 Industry Mall (Online ordering system)  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2712-5AB16-1AA7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-5AB16-1AA7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2712-5AB16-1AA7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-5AB16-1AA7)

CAX-Online-Generator

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

Tender specifications

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

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