

draw-out molded case circuit breaker w. handle with guide frame and PSS frame 1600; 4AUX and trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU350, LSI, In=1250A rotary coding switch Ir=500...1250A I_{sd}=1...10xI_n, I_i=1.5...15xI_n N conductor protec. adjustable opt. w. ext. CT; up to 200% rear vertical connection No communication connection, no measurement function With trip alarm switch TAS and trip alarm switch S25 Signaling switch and two leading auxiliary switches S26 Standard 400 V AC 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
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	ETU350
General technical data	
number of poles	3
size of the circuit-breaker	1600 A
mechanical service life (switching cycles) / typical circuit-breaker / Design	1 000 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	LSI
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	86 W
Current	
operational current	
<ul style="list-style-type: none"> ● at 40 °C / rated value ● at 45 °C / rated value ● at 50 °C / rated value ● at 55 °C / rated value ● at 60 °C / rated value ● at 65 °C / rated value ● at 70 °C / rated value 	1 250 A 1 250 A 1 250 A 1 250 A 1 192 A 1 131 A 1 066 A
continuous current / rated value	1 250 A
adjustable current response value current	
<ul style="list-style-type: none"> ● of the current-dependent overload release / full-scale value ● of instantaneous short-circuit trip unit / minimum ● of instantaneous short-circuit trip unit / maximum 	1 250 A 1 875 A 18 750 A
short-time withstand current (I _{cw})	
<ul style="list-style-type: none"> ● limited to 1 s / rated value ● at AC / at 415 V / limited to 0.5 s / rated value 	20 kA 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 short-time delayed short-circuit release / initial value	1 250 A
• of the short-time delayed short-circuit release / full-scale value	12 500 A
adjustable current response value current / of the current-dependent overload release / initial value	500 A
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
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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 rear vertical
type of electrical connection / for main current circuit	busbar connection

Mechanical Design

height	364 mm
width	278 mm
depth	271 mm
fastening method	drawer unit
net weight	38 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



[Miscellaneous](#)



EG-Konf.

[UK Declaration of Conformity](#)

Test Certificates

Marine / Shipping

other

[Miscellaneous](#)



[Miscellaneous](#)

other

Dangerous Good

[Miscellaneous](#)

[Dangerous Goods Information](#)

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2712-5AC31-3AA7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-5AC31-3AA7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-5AC31-3AA7

CAX-Online-Generator

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

Tender specifications

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



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