

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "C" Icu=110kA @ 415V, 3-pole ETU360, LSIG, In=1600A rotary coding switch Ir=640...1600A Isd=1...10xIn, li=1.5...15xIn N conductor protec. adjustable opt. w. ext. CT; up to 200% gr.-fault prot., can be sw. off Ig=0.1...1 x In, tg=0.1...0.8s nut keeper kit No communication connection, no measurement function Manual operating mechanism of the spring energy store 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	spring actuator
type of the driving mechanism	without motor drive
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU360
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	LSIG
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 short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / full-scale value	1 600 A
	16 000 A
adjustable current response value current / of the current-dependent overload release / initial value	640 A
product component	
• trip indicator • voltage trigger • undervoltage release	Yes No No
product extension / optional / motor drive	Yes
Product function	
product function	
• grounding protection	Yes
Display and operation	
display version	Without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	110 kA 63 kA 36 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value • at 440 V / rated value • at 500 V / rated value • at 690 V / rated value	110 kA 100 kA 85 kA 50 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 • maximum	-25 °C 70 °C
ambient temperature / during storage	
• minimum • maximum	-40 °C 70 °C
General Product Approval	
EMC	
Declaration of Conformity	



[Miscellaneous](#)



[UK Declaration of Conformity](#)



Test Certificates

Marine / Shipping

other

[Miscellaneous](#)



[Miscellaneous](#)

other

Dangerous Good

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-3AD03-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-3AD03-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-3AD03-0AA0

CAX-Online-Generator

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

Tender specifications

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

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