

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=1600A rotary coding switch Ir=640...1600A I_{sd}=1...10xI_n, I_i=1.5...15xI_n N conductor protec. adjustable opt. w. ext. CT; up to 200% rear horizontal connection 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	ETU350
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	LSI
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	141 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 (I _{cw})	
• 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
adjustable current response value current / of the current-dependent overload release / initial value	16 000 A
product component	640 A
• trip indicator • voltage trigger • undervoltage release	Yes No 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 • at 500 V / rated value • at 690 V / rated value	55 kA 36 kA 25 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	55 kA 55 kA 36 kA 25 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal
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 • 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
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[Miscellaneous](#)



[Miscellaneous](#)

other	Dangerous Good
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Further information

Industry Mall (Online ordering system)<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-5AC32-0AA0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-5AC32-0AA0>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-5AC32-0AA0**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**<http://www.siemens.com/specifications>

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