

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "H" Icu=85kA @ 415V, 4-pole, left ETU350, LSI, In=800A rotary coding switch Ir=320...800A I_{sd}=1...10xIn, Ii=1.5...15xIn N conductor protec. adjustable OFF, 50%, 100%, 200% 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	ETU350
General technical data	
number of poles	4
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	19.3 W
Current	
continuous current / rated value	800 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	800 A
• of instantaneous short-circuit trip unit / minimum	1 200 A
• of instantaneous short-circuit trip unit / maximum	12 000 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
Main circuit	
operational current	
• at 40 °C / rated value	800 A
• at 50 °C / rated value	800 A
• at 55 °C / rated value	800 A
• at 60 °C / rated value	800 A
• at 65 °C / rated value	750 A
• at 70 °C / rated value	700 A
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	4
Suitability	
suitability for use	system protection
Adjustable parameters	

adjustable current response value current			
<ul style="list-style-type: none"> • of the short-time delayed short-circuit release / initial value 	800 A		
<ul style="list-style-type: none"> • of the short-time delayed short-circuit release / full-scale value 	8 000 A		
adjustable current response value current / of the current-dependent overload release / initial value	320 A		
product component			
<ul style="list-style-type: none"> • trip indicator 	Yes		
<ul style="list-style-type: none"> • voltage trigger 	No		
<ul style="list-style-type: none"> • undervoltage release 	No		
product extension / optional / motor drive	Yes		
Product function			
product function			
<ul style="list-style-type: none"> • grounding protection 	No		
Display and operation			
display version	Without display		
Short circuit			
breaking capacity operating short-circuit current (Ics)			
<ul style="list-style-type: none"> • at 415 V / rated value 	85 kA		
<ul style="list-style-type: none"> • at 500 V / rated value 	55 kA		
<ul style="list-style-type: none"> • at 690 V / rated value 	36 kA		
breaking capacity maximum short-circuit current (Icu)			
<ul style="list-style-type: none"> • at 415 V / rated value 	85 kA		
<ul style="list-style-type: none"> • at 440 V / rated value 	85 kA		
<ul style="list-style-type: none"> • at 500 V / rated value 	55 kA		
<ul style="list-style-type: none"> • at 690 V / rated value 	36 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	280 mm		
depth	183 mm		
fastening method	fixed mounting		
net weight	16 kg		
Environmental conditions			
ambient temperature / during operation			
<ul style="list-style-type: none"> • minimum 	-25 °C		
<ul style="list-style-type: none"> • maximum 	70 °C		
ambient temperature / during storage			
<ul style="list-style-type: none"> • minimum 	-40 °C		
<ul style="list-style-type: none"> • maximum 	70 °C		
Certificates			
reference code			
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	Q		
<ul style="list-style-type: none"> • acc. to IEC 81346-2 	Q		
General Product Approval	EMC	Declaration of Conformity	Test Certificates



[Miscellaneous](#)



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other

Dangerous Good

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2780-2AC13-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2780-2AC13-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2780-2AC13-0AA0

CAX-Online-Generator

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

Tender specifications

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

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