

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "H" Icu=85kA @ 415V, 3-pole ETU350, LSI, 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% rear vertical connection No communication connection, no measurement function Motorized operating mechanism 220...250 V AC/DC incl. S21 spring energy store signaling switch 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	spring actuator
type of the driving mechanism	motor drive
type of the driving mechanism / motor drive	Yes
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	77 W
Current	
operational current	
• at 40 °C / rated value	1 600 A
• at 45 °C / rated value	1 600 A
• at 50 °C / rated value	1 537 A
• at 55 °C / rated value	1 470 A
• at 60 °C / rated value	1 403 A
• at 65 °C / rated value	1 329 A
• at 70 °C / rated value	1 255 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	1 600 A
• of the short-time delayed short-circuit release / full-scale value	16 000 A
adjustable current response value current / of the current-dependent overload release / initial value	640 A
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	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	85 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	36 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value	85 kA
• at 440 V / rated value	85 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	36 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	296 mm
width	210 mm
depth	183 mm
fastening method	fixed mounting
net weight	14 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](#)



[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=3VA2716-2AC01-4AA7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-2AC01-4AA7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-2AC01-4AA7

CAX-Online-Generator

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

Tender specifications

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

SIEMENS



last modified:

3/9/2020

