

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "H" Icu=85kA @ 415V, 3-pole ETU350, LSI, In=1600A rotary coding switch Ir=640...1600A I<sub>sd</sub>=1...10xI<sub>n</sub>, I<sub>i</sub>=1.5...15xI<sub>n</sub> N conductor protec. adjustable opt. w. ext. CT; up to 200% nut keeper kit

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	77 W
Current	
continuous current / rated value	1 600 A
adjustable current response value current	
<ul style="list-style-type: none"> <li>of the current-dependent overload release / full-scale value</li> </ul>	1 600 A
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / initial value</li> </ul>	2 400 A
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / full-scale value</li> </ul>	24 000 A
short-time withstand current (I <sub>cw</sub> )	
<ul style="list-style-type: none"> <li>limited to 1 s / rated value</li> </ul>	20 kA
<ul style="list-style-type: none"> <li>at AC / at 415 V / limited to 0.5 s / rated value</li> </ul>	20 kA
Main circuit	
operational current	
<ul style="list-style-type: none"> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> </ul>	1 600 A 1 481 A 1 417 A 1 352 A 1 281 A 1 209 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"> <li>of the short-time delayed short-circuit release / initial</li> </ul>	1 600 A

value	
<ul style="list-style-type: none"> <li>of the short-time delayed short-circuit release / full-scale value</li> </ul>	16 000 A
adjustable current response value current / of the current-dependent overload release / initial value	640 A
product component	
<ul style="list-style-type: none"> <li>trip indicator</li> </ul>	Yes
<ul style="list-style-type: none"> <li>voltage trigger</li> </ul>	No
<ul style="list-style-type: none"> <li>undervoltage release</li> </ul>	No
product extension / optional / motor drive	No
<b>Product function</b>	
product function	
<ul style="list-style-type: none"> <li>grounding protection</li> </ul>	No
<b>Display and operation</b>	
display version	Without display
<b>Short circuit</b>	
breaking capacity operating short-circuit current (Ics)	
<ul style="list-style-type: none"> <li>at 415 V / rated value</li> </ul>	85 kA
<ul style="list-style-type: none"> <li>at 500 V / rated value</li> </ul>	55 kA
<ul style="list-style-type: none"> <li>at 690 V / rated value</li> </ul>	36 kA
breaking capacity maximum short-circuit current (Icu)	
<ul style="list-style-type: none"> <li>at 415 V / rated value</li> </ul>	85 kA
<ul style="list-style-type: none"> <li>at 440 V / rated value</li> </ul>	85 kA
<ul style="list-style-type: none"> <li>at 500 V / rated value</li> </ul>	55 kA
<ul style="list-style-type: none"> <li>at 690 V / rated value</li> </ul>	36 kA
<b>Connections</b>	
arrangement of electrical connectors / for main current circuit	Main connection on front side
type of electrical connection / for main current circuit	busbar connection
<b>Mechanical Design</b>	
height	296 mm
width	210 mm
depth	183 mm
fastening method	fixed mounting
net weight	14 kg
<b>Environmental conditions</b>	
ambient temperature / during operation	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>maximum</li> </ul>	70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>maximum</li> </ul>	70 °C
<b>Certificates</b>	
reference code	
<ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> </ul>	Q
<ul style="list-style-type: none"> <li>acc. to IEC 81346-2</li> </ul>	Q

#### Further information

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-6AC03-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-6AC03-0AA0>

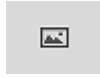
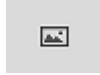
##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2716-6AC03-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-6AC03-0AA0)

##### Tender specifications

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





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