



circuit breaker 3VA6 UL frame 800 breaking capacity class C 100kA @ 480 V 3-pole, line protection ETU330, LIG, In=600A overload protection Ir=240A ...600A short circuit protection li=1,5...12 x In

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	CMAE
Product version	System protection
design of the load switch / acc. to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	ETU330
protection function of the overcurrent release	LIG
number of poles	3
General technical data	
Tension assignée d'isolement Ui	600 V
power loss [W] / maximum	129 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	43 W
mechanical service life (operating cycles) / typical	10 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	5 100
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	3 500
electrical endurance (switching cycles) / at 480 V	5 100
electrical endurance (switching cycles) / at 600 V	3 500
Neutral conductors / upgradeable/retrofitable	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	No
• other measurement function	No
Current	
marking / acc. to UL 489 / 100%-rated breaker	Yes
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	C
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	200 kA
• at 415 V	110 kA
• at 690 V	35 kA
breaking capacity operating short-circuit current (Ics)	
• at 240 V	150 kA
• at 415 V	85 kA

<ul style="list-style-type: none"> <li>• at 690 V</li> </ul>	19 kA		
short-circuit current making capacity (I <sub>cm</sub> )			
<ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 415 V</li> <li>• at 690 V</li> </ul>	440 kA 242 kA 74 kA		
<b>Switching capacity according to UL 489</b>			
breaking capacity current			
<ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul>	200 kA 100 kA 50 kA		
<b>Adjustable parameters</b>			
Adjustable response value current / I <sub>i</sub> min.	900 A		
Adjustable response value current / I <sub>i</sub> max.	7 200 A		
Ground fault protection / tripping switchable / I <sub>2t</sub> =ON/OFF	Yes		
Adjustable response value current / I <sub>g</sub> min.	120 A		
Adjustable response value current / I <sub>g</sub> max.	600 A		
Adjustable response value current / t <sub>g</sub> min.	0.1 s		
Adjustable response value current / I <sub>g</sub> min.	0.3 s		
<b>Mechanical Design</b>			
height [in]	12.6 in		
Height	328 mm		
width [in]	8.3 in		
Width	210 mm		
depth [in]	4.7 in		
depth	120 mm		
<b>Connections</b>			
arrangement of electrical connectors / for main current circuit	Front connection		
<b>Auxiliary circuit</b>			
number of CO contacts / for auxiliary contacts	0		
<b>Environmental conditions</b>			
protection class IP / on the front	IP40		
ambient temperature			
<ul style="list-style-type: none"> <li>• during operation / minimum</li> <li>• during operation / maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul>	-25 °C 70 °C -40 °C 80 °C		
<b>Certificates</b>			
reference code / acc. to IEC 81346-2	Q		
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes		
<b>General Product Approval</b>	<b>EMC</b>	<b>Declaration of Conformity</b>	<b>other</b>



[Miscellaneous](#)



[Miscellaneous](#)

#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA6560-7HM32-2AA0>

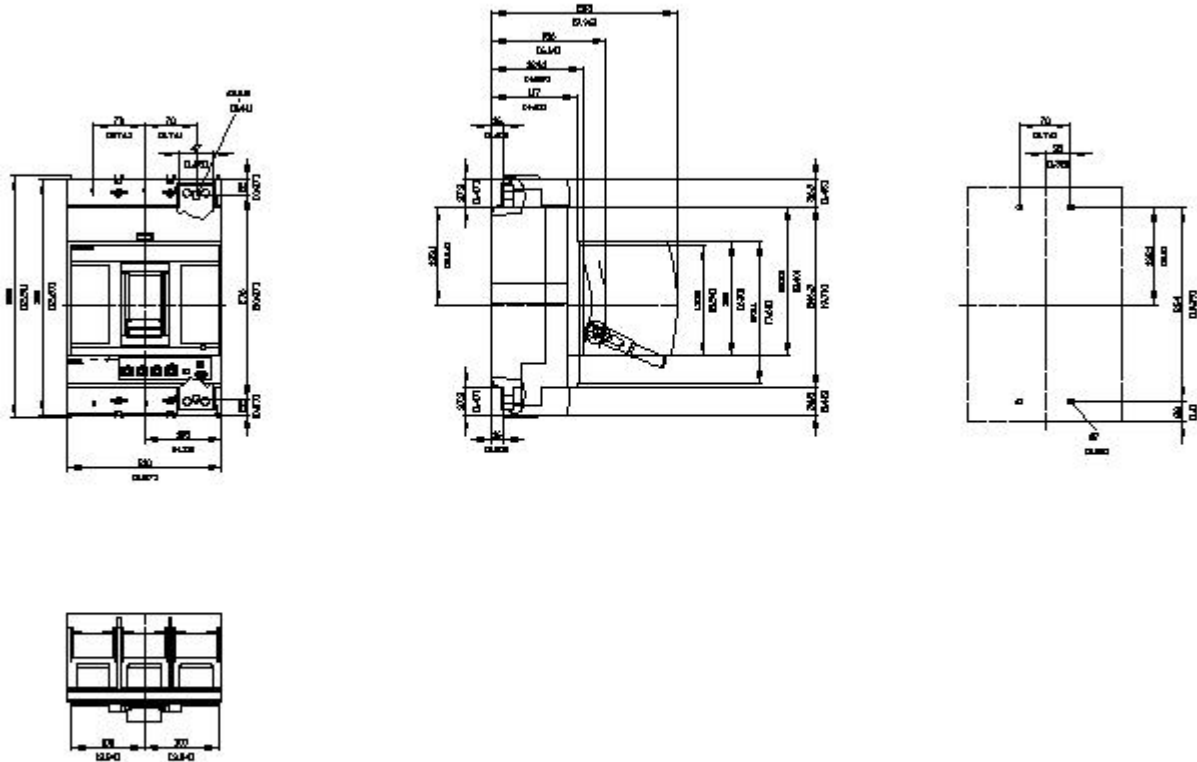
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3VA6560-7HM32-2AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA6560-7HM32-2AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA6560-7HM32-2AA0)

CAX-Online-Generator



last modified:

3/11/2021 