



circuit breaker 3VA2 IEC frame 1000 breaking capacity class C  
 $I_{cu}=110\text{kA}$  @ 415V 3-pole, motor protection ETU350M, LSI,  $I_n=630\text{A}$   
 overload protection  $I_r=250\text{A}...630\text{A}$  short-circuit protection  $I_{sd}=3...15$   
 $\times I_r$ ,  $I_i=15 \times I_n$  nut keeper kit circuit breaker 3VA2 IEC frame 1000  
 breaking capacity class C  $I_{cu}=110\text{kA}$  @ 415V 3-pole, motor  
 protection ETU350M, LSI,  $I_n=630\text{A}$  overload protection  
 $I_r=250\text{A}...630\text{A}$  short-circuit protection  $I_{sd}=3...15 \times I_r$ ,  
 UNDERVOLTAGE RELEASE 208-230 V AC 50/60 HZ ACCESSORY  
 FOR 3VA1 2 AUXILIARY SWITCH CHANGEOVER H

Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Product version	Motor protection
Design of the overcurrent release	ETU350M
Protective function of the overcurrent release	LSI
Number of poles	3
Design of the auxiliary release	Undervoltage release (UVR)
Auxiliary contact version	2 auxiliary switches HP

General technical data	
Rated insulation voltage $U_i$	800 V
Max. rated operational voltage $U_e$ with AC 50/60Hz	690 V
Operating power / at AC-3 / at 400 V	315 000 W
Operating power / at AC-3 / at 230 V	160 000 W
Power loss [W] / maximum	132 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	44 W
Mechanical service life (switching cycles) / typical	10 000

Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	4 600
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	3 200
Neutral conductors / upgradeable/retrofitable	No
Ground fault monitoring version	Without
Product function	
• communication function	No
• Phase failure detection	Yes
• other measurement function	No

### Current

Max. rated operational current of the frame size	1 000 A
Rated continuous current I <sub>u</sub>	630 A
Operating current	
• at 40 °C	630 A
• at 45 °C	630 A
• at 50 °C	630 A
• at 55 °C	630 A
• at 60 °C	630 A
• at 65 °C	630 A
• at 70 °C	630 A

### Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	C
Maximum short-circuit current breaking capacity (I <sub>cu</sub> )	
• at 240 V	200 kA
• at 415 V	110 kA
• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	35 kA
Operational short-circuit current breaking capacity (I <sub>cs</sub> )	
• at 240 V	150 kA
• at 415 V	85 kA
• at 440 V	70 kA
• at 500 V	65 kA
• at 690 V	19 kA
Short-circuit current making capacity (I <sub>cm</sub> )	
• at 240 V	440 kA
• at 415 V	242 kA
• at 440 V	242 kA
• at 500 V	187 kA
• at 690 V	74 kA

Adjustable parameters	
Adjustable response value current / I <sub>r</sub> min.	250 A
Adjustable response value current / I <sub>r</sub> max.	630 A
Adjustable response value current / I <sub>sd</sub> min.	1 890 A
Adjustable response value current / I <sub>sd</sub> max.	9 450 A
Adjustable response value time / t <sub>sd</sub> min.	0.03 s
Adjustable response value time / t <sub>sd</sub> max.	0.03 s
Adjustable response value current / I <sub>i</sub> min.	9 450 A
Adjustable response value current / I <sub>i</sub> max.	9 450 A
Ground fault protection / tripping switchable / I <sub>2t</sub> =ON/OFF	No

Mechanical Design	
Height [in]	12.6 in
Height	320 mm
Width [in]	8.3 in
Width	210 mm
Depth [in]	4.7 in
Depth	120 mm

Connections	
Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	on both sides nut keeper kit
Type of connectable conductor cross-section, connection screw, width x thickness , min.	20 x 4

Auxiliary circuit	
Product component	
<ul style="list-style-type: none"> <li>• undervoltage release</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Voltage trigger</li> </ul>	No
<ul style="list-style-type: none"> <li>• undervoltage release with leading contact</li> </ul>	No
<ul style="list-style-type: none"> <li>• Trip indicator</li> </ul>	No
Number of CO contacts / for auxiliary contacts	2

Accessories	
Manufacturer's article number	
<ul style="list-style-type: none"> <li>• of the integrated auxiliary switch/alarm switch</li> </ul>	<a href="#">3VA9988-0AA11</a>
<ul style="list-style-type: none"> <li>• of the integrated auxiliary trip</li> </ul>	3VA9608-0BB25

Environmental conditions	
Protection class IP / on the front	IP40
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation / minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	70 °C
<ul style="list-style-type: none"> <li>• during storage / minimum</li> </ul>	-40 °C





• during storage / maximum

80 °C

## Certificates

Reference code / acc. to DIN EN 81346-2

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General Product Approval	EMC	Declaration of Conformity	Test Certificates
 VDE		 EG-Konf.	 RCM

[Miscellaneous](#)

[Miscellaneous](#)

## Shipping Approval

## other



LRS

[CCS / China Classification Society](#)

[Manufacturer Declaration](#)

[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=3VA2563-7MN32-0DB0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2563-7MN32-0DB0>

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

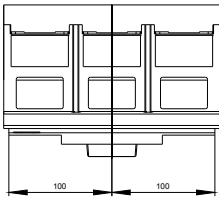
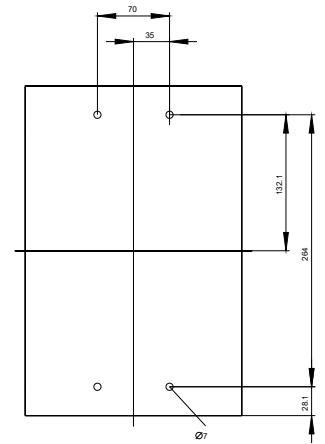
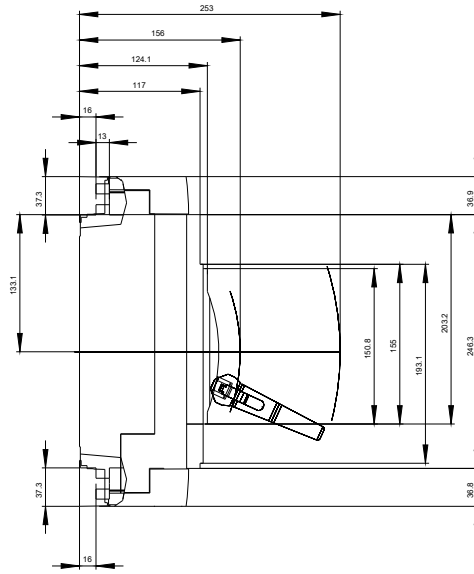
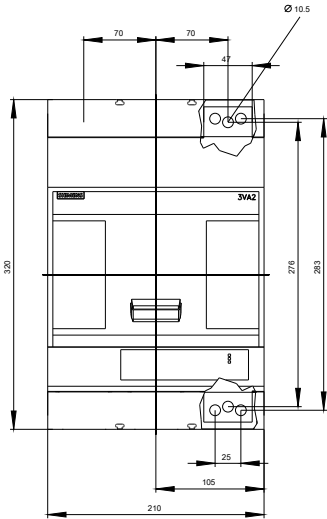
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2563-7MN32-0DB0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2563-7MN32-0DB0)

### CAX-Online-Generator

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

### Tender specifications

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



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