

circuit breaker 3VA2 IEC frame 630 breaking capacity class E  
Icu=200 kA @ 415 V 3-pole motor starter protection ETU310M, I,  
In=400A short circuit protection Ii=3...13 x In busbar connection



Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Product version	Motor protection
Design of the overcurrent release	ETU310M
Protective function of the overcurrent release	I
Number of poles	3

General technical data	
Rated insulation voltage Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Power loss [W] / maximum	63.5 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	21.17 W
Mechanical service life (switching cycles) / typical	15 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	4 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	4 000
Neutral conductors / upgradeable/retrofitable	No

Ground fault monitoring version	Without
Product function	
• communication function	No
• Phase failure detection	No
• other measurement function	No

## Current

Max. rated operational current of the frame size	630 A
Rated continuous current I <sub>u</sub>	400 A
Operating current	
• at 40 °C	400 A
• at 45 °C	400 A
• at 50 °C	400 A
• at 55 °C	400 A
• at 60 °C	400 A
• at 65 °C	400 A
• at 70 °C	400 A

## Switching capacity according to IEC 60947

Maximum short-circuit current breaking capacity (I <sub>cu</sub> )	
• at 415 V	200 kA
• at 690 V	85 kA
Operational short-circuit current breaking capacity (I <sub>cs</sub> )	
• at 415 V	200 kA
• at 690 V	65 kA
Short-circuit current making capacity (I <sub>cm</sub> )	
• at 415 V	440 kA
• at 690 V	187 kA

## Adjustable parameters

Adjustable response value current / I <sub>i</sub> min.	600 A
Adjustable response value current / I <sub>i</sub> max.	5 200 A
Ground fault protection / tripping switchable / I <sub>2</sub> t=ON/OFF	No

## Mechanical Design

Height [in]	9.8 in
Height	248 mm
Width [in]	5.4 in
Width	138 mm
Depth [in]	4.3 in
Depth	110 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 1 mm
Type of connectable conductor cross-section, connection screw, width x thickness , max.	35 x 10 mm

<b>Auxiliary circuit</b>	
Number of CO contacts / for auxiliary contacts	0

<b>Accessories</b>	
Product extension / optional / motor drive	Yes

<b>Environmental conditions</b>	
Protection class IP / on the front	IP40
Ambient temperature	
• during operation / minimum	-25 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	80 °C

<b>Certificates</b>	
Reference code / acc. to DIN EN 81346-2	Q

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

[Miscellaneous](#)

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Test Certificates	Shipping Approval	other
<a href="#">Special Test Certificate</a>	<a href="#">CCS / China Classification Society</a>	<a href="#">Manufacturer Declaration</a>

[Miscellaneous](#)

## Further information

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

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

### Industry Mall (Online ordering system)

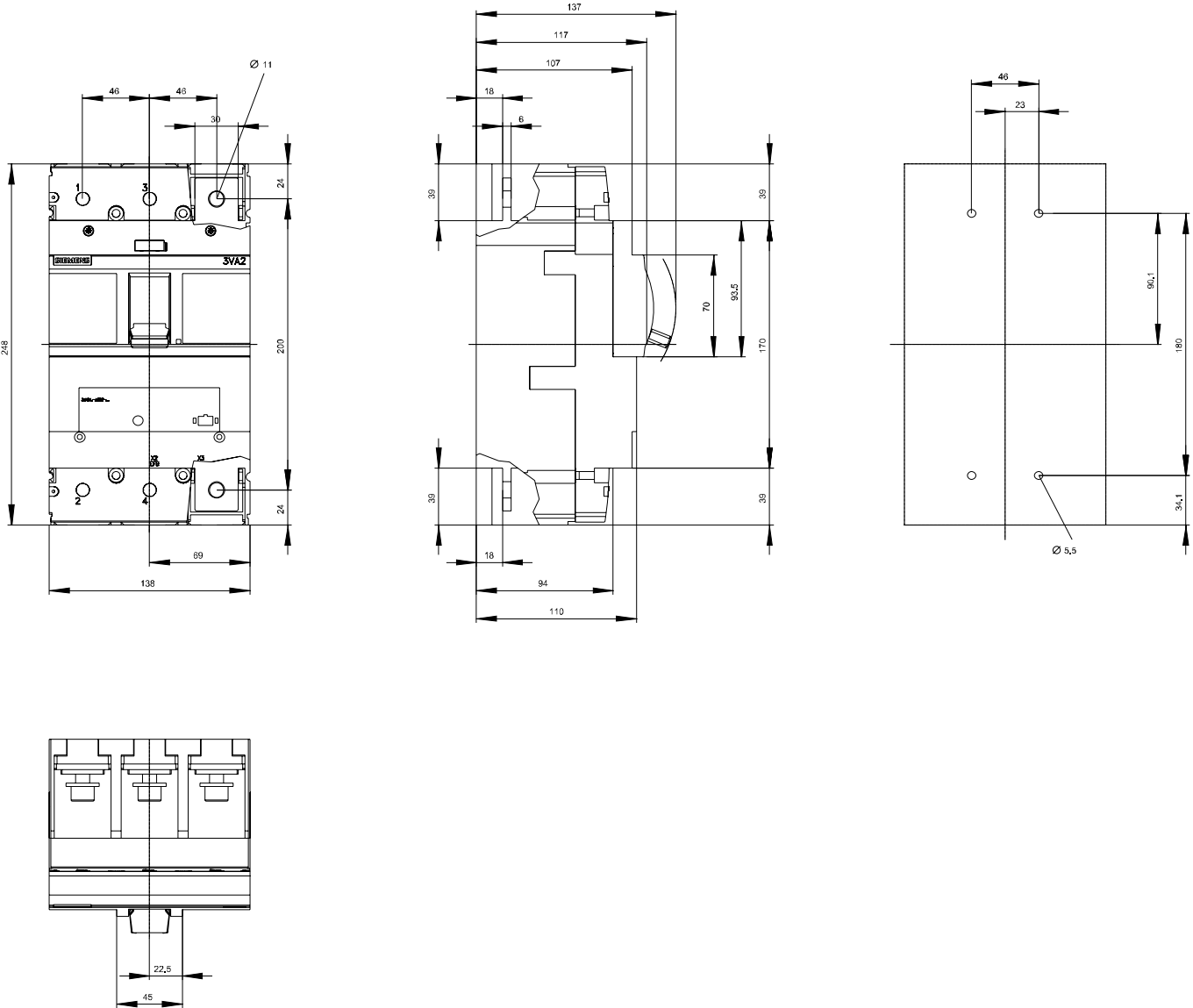
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2440-0MS32-0AA0>

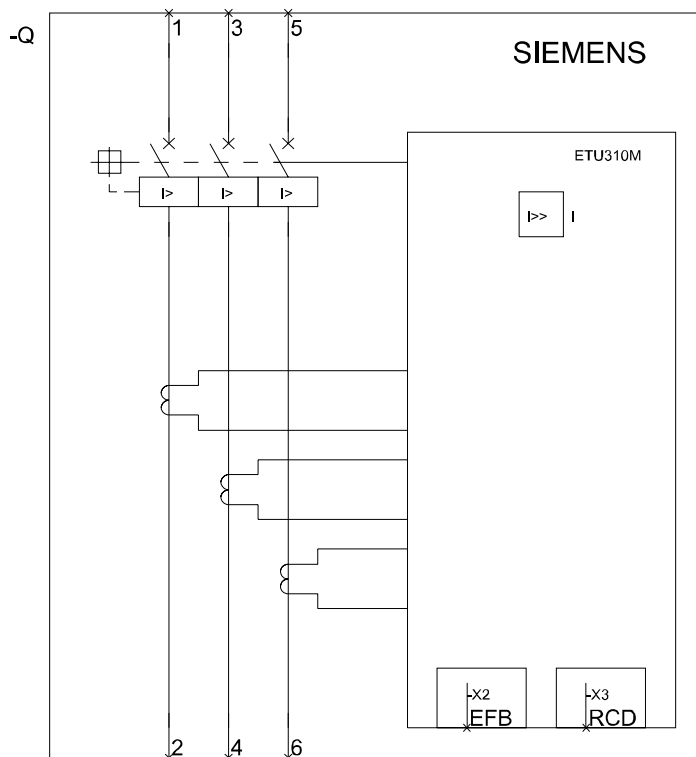
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2440-0MS32-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2440-0MS32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2440-0MS32-0AA0)





Siemens

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Format / Size: Hybrid

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