










circuit breaker 3VA2 IEC frame 630 breaking capacity class M Icu=55kA @ 415V 3-pole, motor protection ETU350M, LSI, In=400A overload protection Ir=160A...400A short-circuit protection Isd=3...15 x Ir, li=15 x In nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Motor protection
design of the overcurrent release	ETU350M
protection function of the overcurrent release	LSI
number of poles	3
General technical data	
rated insulation voltage Ui	800 V
operating power / at AC-3 / at 400 V	160 000 W
operating power / at AC-3 / at 230 V	90 000 W
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	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	5 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	3 500
Electrical endurance (switching cycles) / at AC-3 / at 380/415 V 50/60 Hz	3 000
Neutral conductors / upgradeable/retrofitable	No
ground-fault monitoring version	Without
product function	
• communication function	No
• phase failure detection	Yes
• other measurement function	No
net weight	4.3 kg
Current	
Max. rated operational current of the frame size	630 A
Courant permanent assigné lu	400 A
short-time withstand current (Icw)	
• limited to 1 s	5 kA
operational current	
• at 40 °C	400 A
• at 45 °C	400 A
• at 50 °C	400 A
• at 55 °C	400 A

<ul style="list-style-type: none"> <li>• at 60 °C</li> <li>• at 65 °C</li> <li>• at 70 °C</li> </ul>	400 A 400 A 400 A
<b>Switching capacity according to IEC 60947</b>	
switching capacity class of the circuit breaker	M
breaking capacity maximum short-circuit current (I <sub>cu</sub> )	
<ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 415 V</li> <li>• at 440 V</li> <li>• at 500 V</li> <li>• at 690 V</li> </ul>	85 kA 55 kA 55 kA 36 kA 6 kA
breaking capacity operating short-circuit current (I <sub>cs</sub> )	
<ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 415 V</li> <li>• at 440 V</li> <li>• at 500 V</li> <li>• at 690 V</li> </ul>	85 kA 55 kA 55 kA 36 kA 6 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 440 V</li> <li>• at 500 V</li> <li>• at 690 V</li> </ul>	187 kA 121 kA 121 kA 75.6 kA 9 kA
<b>Adjustable parameters</b>	
Adjustable response value current / I <sub>i</sub> min.	6 000 A
Adjustable response value current / I <sub>i</sub> max.	6 000 A
Ground fault protection / tripping switchable / I <sub>2t</sub> =ON/OFF	No
<b>Mechanical Design</b>	
height [in]	9.76 in
Height	248 mm
width [in]	5.43 in
Width	138 mm
depth [in]	4.33 in
depth	110 mm
<b>Connections</b>	
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>	
product component	
<ul style="list-style-type: none"> <li>• undervoltage release</li> <li>• voltage trigger</li> <li>• trip indicator</li> </ul>	No No No
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	
<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>	

General Product Approval			EMC	Declaration of Conformity
		<a href="#">Miscellaneous</a>		
			<a href="#">UK Declaration of Conformity</a>	

Declaration of Conformity	Test Certificates	Marine / Shipping
	<a href="#">Special Test Certificate</a>	<a href="#">Miscellaneous</a>
EG-Konf.		
		<a href="#">CCS / China Classification Society</a>
		
		LRS

## other

[Confirmation](#)[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=3VA2440-5MN32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2440-5MN32-0AA0>

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

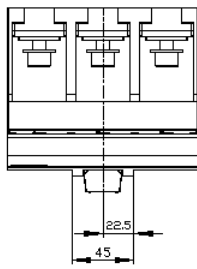
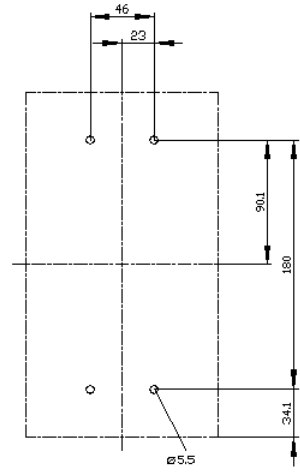
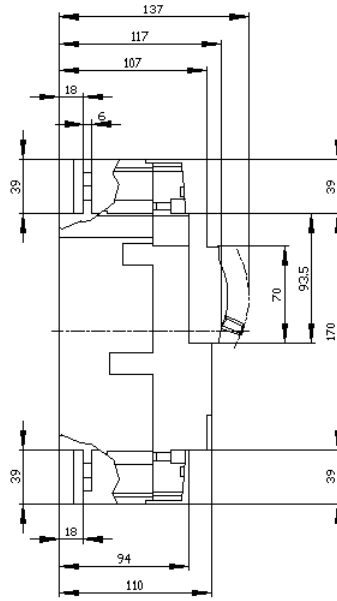
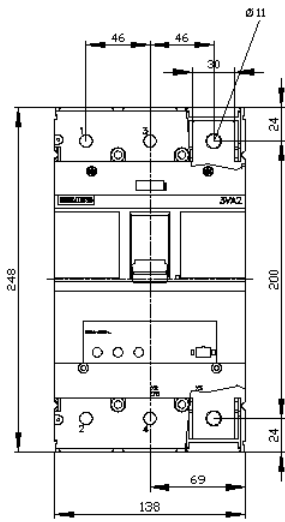
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2440-5MN32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2440-5MN32-0AA0)

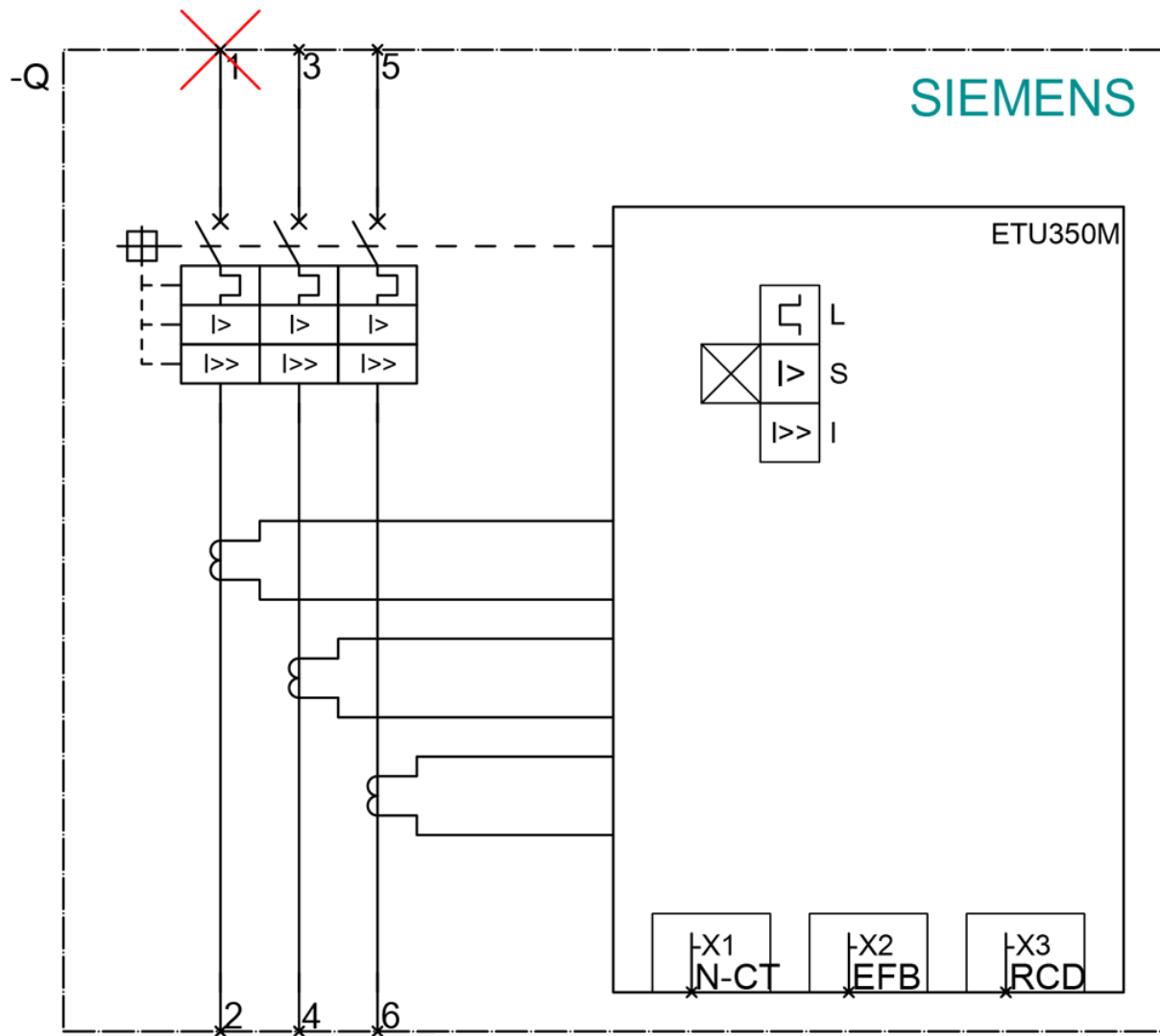
CAx-Online-Generator

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

Tender specifications

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





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