










circuit breaker 3VA2 IEC frame 630 breaking capacity class M Icu=55kA @ 415V 3-pole, motor protection ETU350M, LSI, In=500A overload protection Ir=200A...500A 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	200 000 W
operating power / at AC-3 / at 230 V	110 000 W
power loss [W] / maximum	99 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	33 W
mechanical service life (switching cycles) / typical	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	3 000
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	2 500
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	500 A
short-time withstand current (Icw)	
• limited to 1 s	6 kA
operational current	
• at 40 °C	500 A
• at 45 °C	500 A
• at 50 °C	500 A
• at 55 °C	495 A

<ul style="list-style-type: none"> • at 60 °C • at 65 °C • at 70 °C 	490 A 485 A 480 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	M
breaking capacity maximum short-circuit current (I _{cu})	
<ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	85 kA 55 kA 55 kA 36 kA 6 kA
breaking capacity operating short-circuit current (I _{cs})	
<ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	85 kA 55 kA 55 kA 36 kA 6 kA
short-circuit current making capacity (I _{cm})	
<ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	187 kA 121 kA 121 kA 75.6 kA 9 kA
Adjustable parameters	
Adjustable response value current / I _{li} min.	7 500 A
Adjustable response value current / I _{li} max.	7 500 A
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	No
Mechanical Design	
height [in]	9.76 in
Height	248 mm
width [in]	5.43 in
Width	138 mm
depth [in]	4.33 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
Auxiliary circuit	
product component	
<ul style="list-style-type: none"> • undervoltage release • voltage trigger • trip indicator 	No No No
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	Yes
Environmental conditions	
protection class IP / on the front	IP40
ambient temperature	
<ul style="list-style-type: none"> • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum 	-25 °C 70 °C -40 °C 80 °C
Certificates	

General Product Approval			EMC	Declaration of Conformity
		Miscellaneous		
			UK Declaration of Conformity	

Declaration of Conformity	Test Certificates	Marine / Shipping			
	Special Test Certificate	Miscellaneous		CCS / China Classification Society	
EG-Konf.			LRS		

other

[Miscellaneous](#) [Confirmation](#) [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=3VA2450-5MN32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2450-5MN32-0AA0>

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

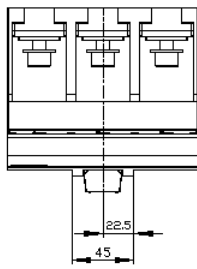
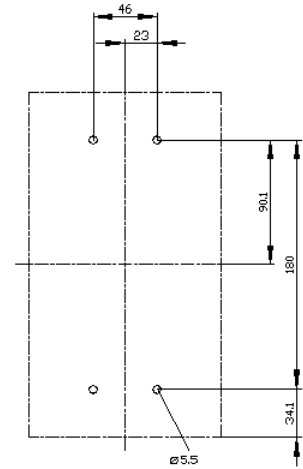
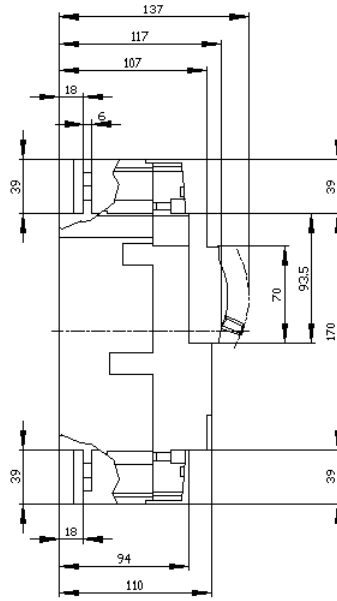
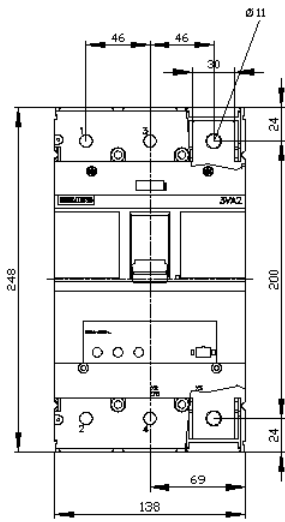
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2450-5MN32-0AA0

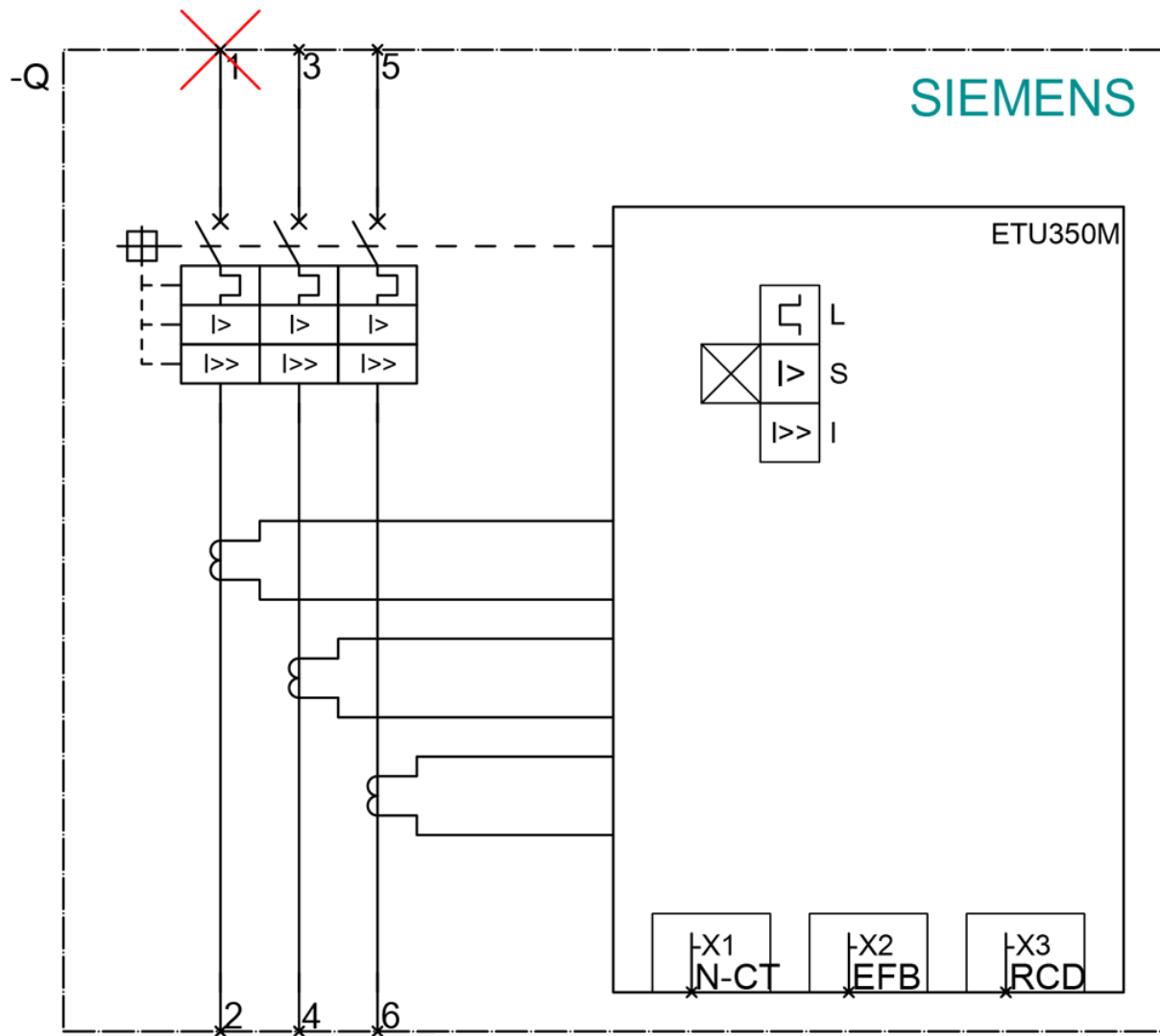
CAx-Online-Generator

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

Tender specifications

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





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