



circuit breaker 3VA2 IEC frame 630 breaking capacity class E Icu=200 kA @ 415 V 3-pole, line protection ETU860, LSIG, In=630A overload protection Ir=250A ... 630A short circuit protection Isd=0,6...9xIn, li=1,5...9xIn busbar connection

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU860
protection function of the overcurrent release	LSIG
number of poles	3
General technical data	
rated insulation voltage Ui	800 V
power loss [W] / maximum	162 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	54 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
Neutral conductors / upgradeable/retrofitable	Yes
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	Yes
• other measurement function	Yes
Net Weight	5.05 kg
Current	
Max. rated operational current of the frame size	630 A
Courant permanent assigné Iu	630 A
operational current	
• at 40 °C	630 A
• at 45 °C	600 A
• at 50 °C	570 A
• at 55 °C	540 A
• at 60 °C	510 A
• at 65 °C	480 A
• at 70 °C	450 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	E
breaking capacity maximum short-circuit current (Icu)	
• at 415 V	200 kA
• at 690 V	85 kA
breaking capacity operating short-circuit current (Ics)	

• at 415 V • at 690 V	200 kA 65 kA
short-circuit current making capacity (I _{cm})	
• at 415 V • at 690 V	440 kA 187 kA

Adjustable parameters

Adjustable response value current / I _i min.	945 A
Adjustable response value current / I _i max.	5 670 A
design of the N-conductor protection	adjustable OFF; 20% to 160%
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	Yes
Adjustable response value current / I _g min.	126 A
Adjustable response value current / I _g max.	630 A

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	
• undervoltage release • voltage trigger • trip indicator	No No No
number of CO contacts / for auxiliary contacts	0

Accessories

product extension / optional / motor drive	Yes
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Environmental conditions

protection class IP / on the front	IP40
ambient temperature	
• during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum	-25 °C 70 °C -40 °C 80 °C

Certificates

reference code / according to IEC 81346-2	Q
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General Product Approval	EMC	Declaration of Conformity
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[Confirmation](#)

[Miscellaneous](#)



[UK Declaration of Conformity](#)



Test Certificates	Marine / Shipping	other
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[Special Test Certificate](#)

[Miscellaneous](#)

[CCS / China Classification Society](#)

[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=3VA2463-0KQ32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2463-0KQ32-0AA0>

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

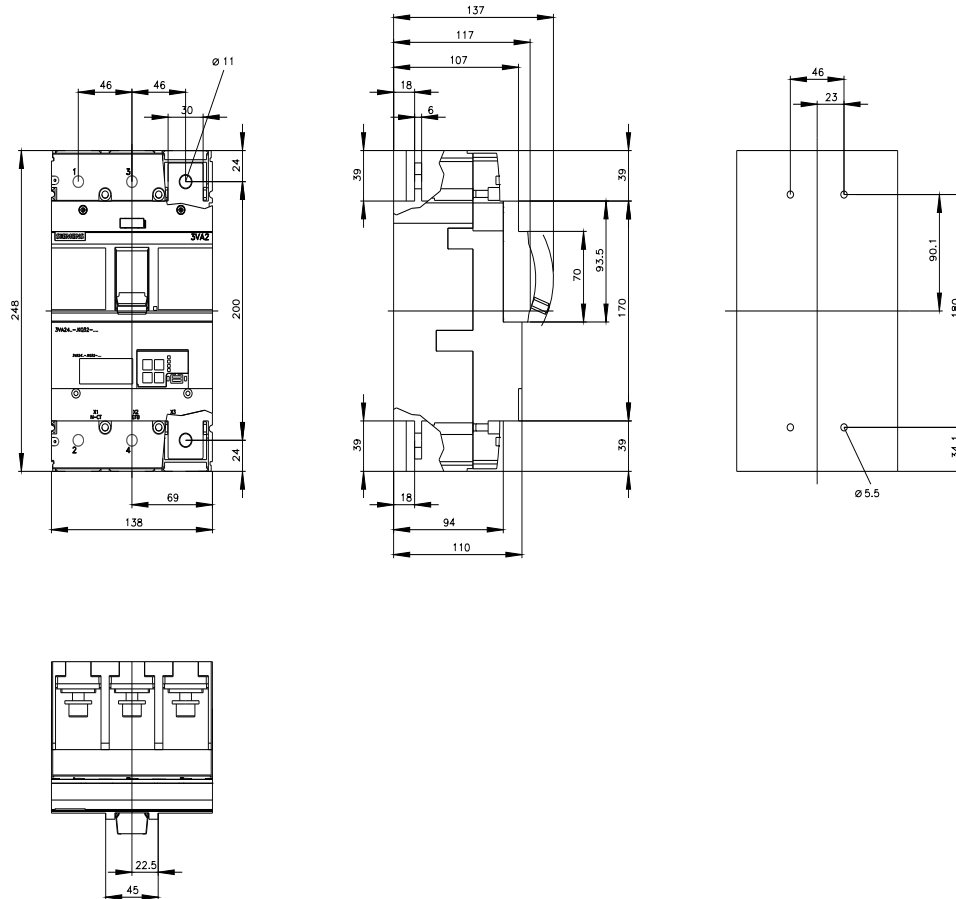
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2463-0KQ32-0AA0

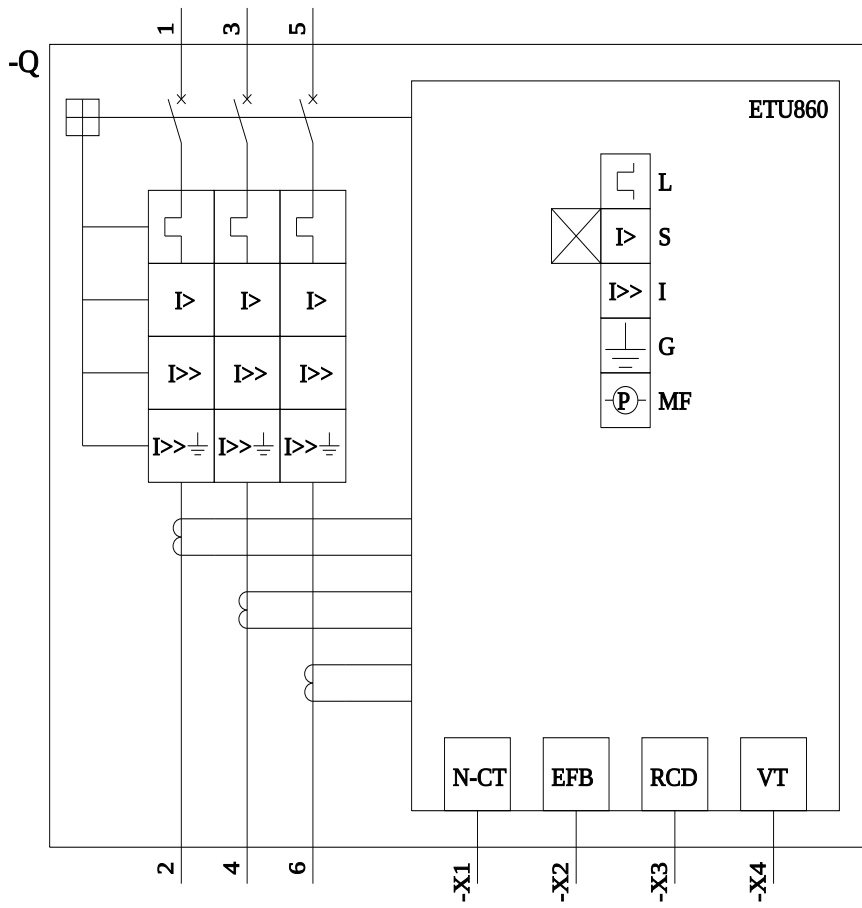
CAX-Online-Generator

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

Tender specifications

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





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