



Circuit breaker 3VA2 IEC Frame 400 Switching capacity class M
 $I_{cu}=55 \text{ kA @ } 415 \text{ V}$ 3-pole, system protection ETU850, LSI, $I_n=400 \text{ A}$
 Overload protection $I_r=160 \text{ A} \dots 400 \text{ A}$ short-circuit protection
 $I_{sd}=0.6 \dots 10 \times I_n$, $I_i=1.5 \dots 10 \times I_n$ N-conductor protection optionally with
 external current transformer, up to 160% Lug terminal

Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Design of the product	Line protection
Design of the overcurrent release	ETU850
Protective function of the overcurrent release	LSI
Number of poles	3

General technical data	
Tension assignée d'isolement U_i	800 V
Max. rated operational voltage U_e with AC 50/60Hz	690 V
Active power loss / for rated value of the current / at AC / in hot operating state / per device	96 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	32 W
Mechanical service life (switching cycles) / typical	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	6 000
Neutral conductors / upgradeable/retrofitable	Yes
Ground fault monitoring version	Without

Product function	
• communication function	Yes
• other measurement function	Yes
Net weight	4.78 kg

Electricity

Max. rated operational voltage of the size of the circuit-breaker	400 A
Courant permanent assigné Iu	400 A
Operating current	
• at 40 °C	400 A
• at 45 °C	400 A
• at 50 °C	400 A
• at 55 °C	375 A
• at 60 °C	350 A
• at 65 °C	325 A
• at 70 °C	300 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	M
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	5 kA
Operational short-circuit current breaking capacity (Ics)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	5 kA
Short-circuit current making capacity (Icm)	
• at 240 V	187 kA
• at 415 V	121 kA
• at 690 V	7.5 kA

Adjustable parameters

Adjustable response value current / I _g min.	160 A
Adjustable response value current / I _g min.	400 A
Adjustable response value current / I _g min.	0.5
Adjustable response value current / I _g min.	17
Adjustable response value current / I _g min.	240 A

Adjustable response value current / I _g min.	4 000 A
Short-term delayed / tripping switchable / I _{2t} =ON/OFF	Yes
Adjustable response value current / I _g min.	0.05 s
Adjustable response value current / I _g min.	0.5 s
Adjustable response value current / I _g min.	0.05 s
Adjustable response value current / I _g min.	0.5 s
Adjustable response value current / I _i min.	600 A
Adjustable response value current / I _i max.	4 000 A
Design of the N-conductor protection	Without
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	No

Mechanical Design

Height [in]	9.8 in
Height	248 mm
Width [in]	5.4 in
Width	138 mm
Depth [in]	5.4 in
Depth	137 mm

Connections

Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	Lug terminal
Type of connectable conductor cross-section, connection screw, width x thickness , min.	20 x 1
Type of connectable conductor cross-section, connection screw, width x thickness , max.	35 x 10

Auxiliary circuit

Number of CO contacts / for auxiliary contacts	0
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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	-25 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	80 °C

Certificates

Reference code / acc. to DIN EN 81346-2	Q
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General Product Approval		EMC	Test Certificates
 CCC	 VDE	Miscellaneous	 EAC
			 RCM
			Miscellaneous

Test Certificates	Shipping Approval
Special Test Certificate	Type Test Certificates/Test Report
	 ABS  BUREAU VERITAS  GL  LRS

Shipping Approval	other
 RMRS	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=3VA2340-5KP32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-5KP32-0AA0>

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

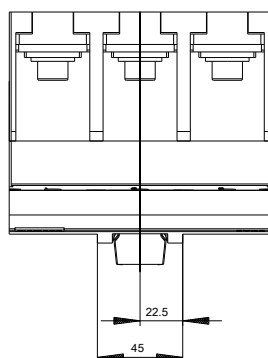
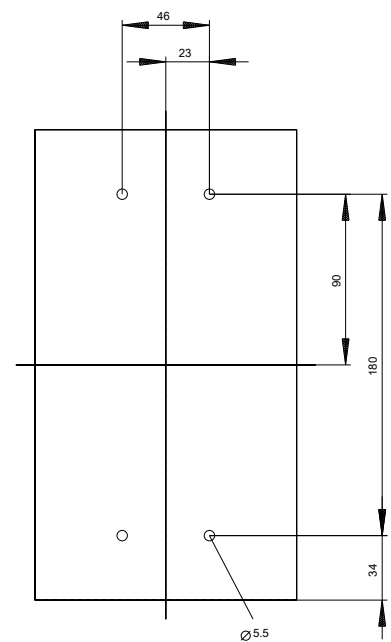
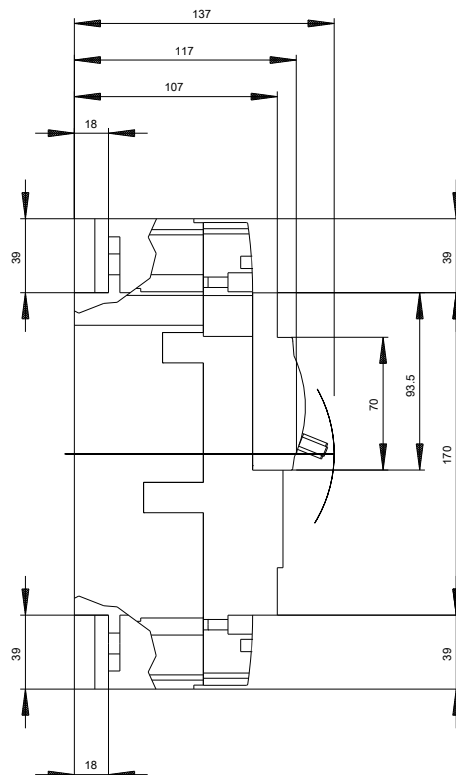
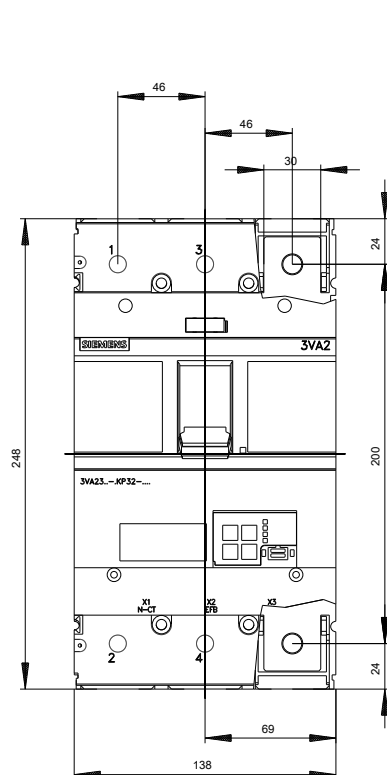
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-5KP32-0AA0

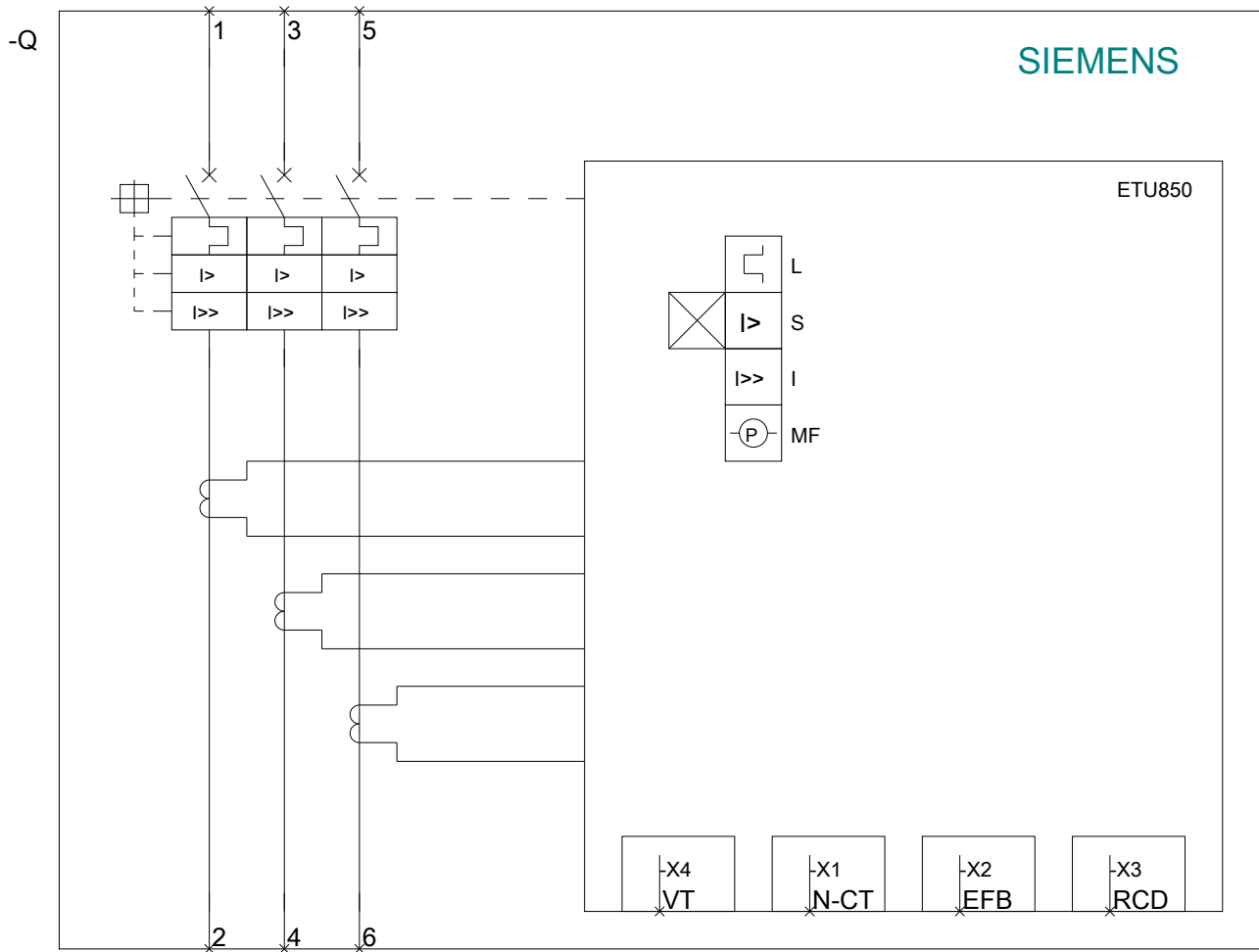
CAX-Online-Generator

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

Tender specifications

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





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