



circuit breaker 3VA2 IEC frame 400 breaking capacity class H $I_{cu}=85\text{kA}$ @ 415V 3-pole, line protection ETU560, LSIG, $I_n=400\text{A}$ overload protection $I_r=160\text{A}\dots400\text{A}$ short-circuit protection $I_{sd}=0.6\dots10 \times I_n$, $I_i=1.5 \times I_n$ N conductor protection optionally with external current transformer, up to 160% gr.-fault prot., can be sw. off $I_g=0.2\dots1 \times I_n$, $t_g=0.05\text{--}0.8\text{s}$ nut keeper kit undervoltage release (UVR) 24V DC 2 auxiliary switches HQ 1 trip alarm switch HQ

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU560
protection function of the overcurrent release	LSIG
number of poles	3
Auxiliary contact version	2 auxiliary switches + 1 trip alarm switch HQ
General technical data	
rated insulation voltage U_i	800 V
power loss [W] / maximum	98.5 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
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	4 200
Neutral conductors / upgradeable/retrofitable	Yes
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	Yes
• other measurement function	No
Net Weight	4,4 kg
Current	
Max. rated operational current of the frame size	400 A
Courant permanent assigné I_u	400 A
operational 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	H
breaking capacity maximum short-circuit current (I_{cu})	
• at 240 V	110 kA
• at 415 V	85 kA

• at 440 V • at 500 V • at 690 V	85 kA
	55 kA
	5 kA
breaking capacity operating short-circuit current (Ics)	
• at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	110 kA
	85 kA
	85 kA
	55 kA
	5 kA
short-circuit current making capacity (Icm)	
• at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	242 kA
	187 kA
	187 kA
	121 kA
	7.5 kA
Adjustable parameters	
Adjustable response value current / Ii min.	600 A
Adjustable response value current / Ii max.	4 000 A
design of the N-conductor protection	adjustable OFF; 20% to 160%
Ground fault protection / tripping switchable / I2t=ON/OFF	Yes
Adjustable response value current / Ig min.	80 A
Adjustable response value current / Ig max.	400 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 • undervoltage release with leading contact • trip indicator	Yes
	No
	No
	Yes
number of CO contacts / for auxiliary contacts	3
Accessories	
product extension / optional / motor drive	Yes
manufacturer's article number	
• of the supplied basic switch • of the integrated auxiliary switch/alarm switch • of the integrated auxiliary switch/alarm switch • of the integrated auxiliary trip unit	3VA2340-6JQ32-0AA0 3VA9988-0AA12 3VA9988-0AB12 3VA9608-0BB11
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 / acc. to IEC 81346-2	Q

General Product Approval	EMC	Declaration of Conformity
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[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
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[UK Declaration of Conformity](#)

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Marine / Shipping	other
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[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=3VA2340-6JQ32-0BH0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-6JQ32-0BH0>

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

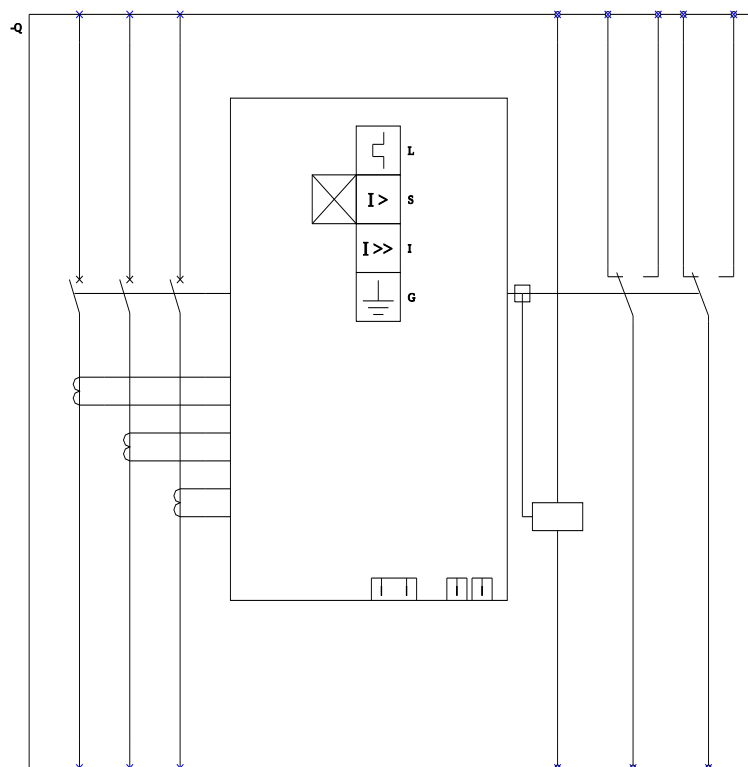
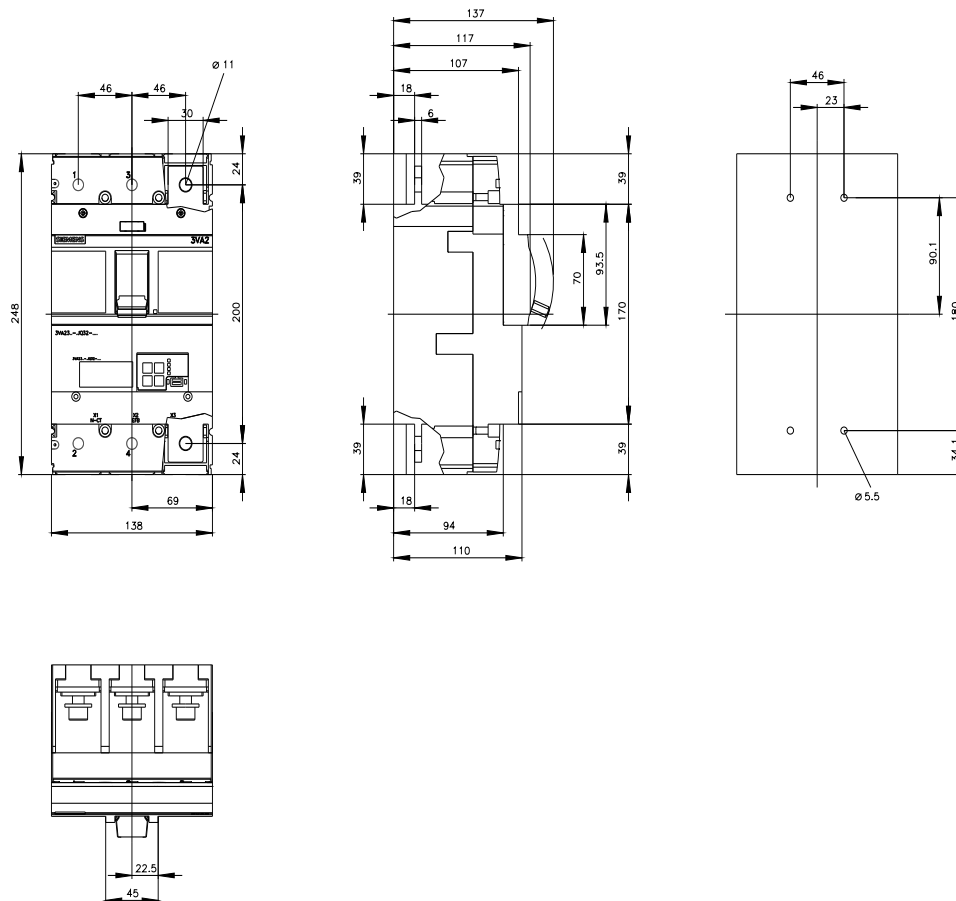
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-6JQ32-0BH0

CAX-Online-Generator

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

Tender specifications

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



L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);
I (Instantaneous / Kurzschlusschutz, unverzögert); G (Ground Fault Protection / Erdschlusschutz);

