



circuit breaker 3VA2 IEC frame 630 breaking capacity class M $I_{cu}=55\text{kA}$ @ 415V 3-pole, line protection ETU350, LSI, $I_n=400\text{A}$ overload protection $I_r=160\text{A}\dots400\text{A}$ short-circuit protection $I_{sd}=1.5\dots10 \times I_r$, $I_i=12 \times I_n$ nut keeper kit 2 auxiliary switches HQ 1 trip alarm switch HQ

Model	
product brand name	SETRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU350
protection function of the overcurrent release	LSI
number of poles	3
design of the auxiliary release	Without auxiliary release
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	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
Neutral conductors / upgradeable/retrofittable	No
ground-fault monitoring version	Without
product function	
• communication function	No
• other measurement function	No
Net Weight	4,4 kg
Current	
Max. rated operational current of the frame size	630 A
Courant permanent assigné I_u	400 A
short-time withstand current (I_{cw})	
• 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
• at 60 °C	400 A
• at 65 °C	400 A
• at 70 °C	400 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	M

breaking capacity maximum short-circuit current (Icu)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	6 kA
breaking capacity operating short-circuit current (Ics)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	6 kA
short-circuit current making capacity (Icm)	
• at 240 V	187 kA
• at 415 V	121 kA
• at 440 V	121 kA
• at 500 V	75.6 kA
• at 690 V	9 kA
Adjustable parameters	
Adjustable response value current / li min.	4 800 A
Adjustable response value current / li max.	4 800 A
Ground fault protection / tripping switchable / I2t=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	
• undervoltage release	No
• voltage trigger	No
• undervoltage release with leading contact	No
• trip indicator	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	3VA2440-5HN32-0AA0
• of the integrated auxiliary switch/alarm switch	3VA9988-0AA12
• of the integrated auxiliary switch/alarm switch	3VA9988-0AB12
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 IEC 81346-2	Q

General Product Approval			EMC	Declaration of Conformity	
		Miscellaneous			
Declaration of Conformity		Test Certificates		Marine / Shipping	
UK Declaration of Conformity		Type Test Certificates/Test Report	Miscellaneous	Special Test Certificate	 ABS  BUREAU VERITAS
Marine / Shipping			other		
			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=3VA2440-5HN32-0AH0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2440-5HN32-0AH0>

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

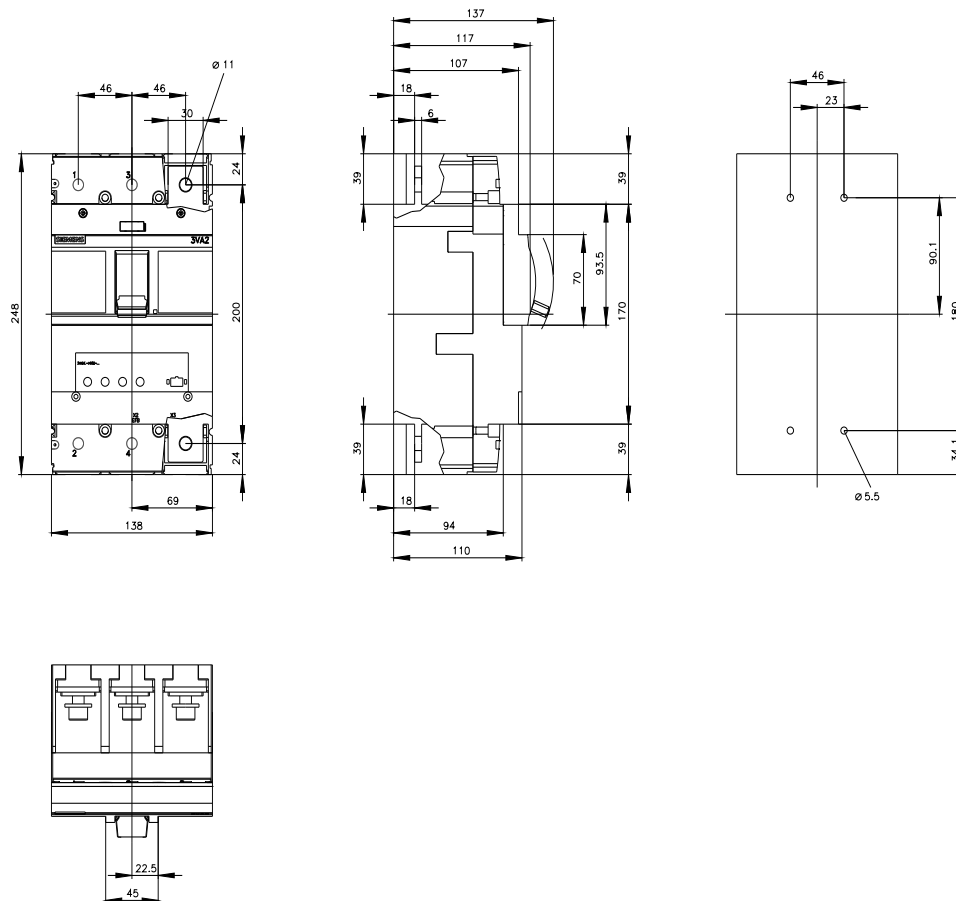
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2440-5HN32-0AH0

CAX-Online-Generator

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

Tender specifications

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



L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert);
I (Instantaneous / Kurzschlussschutz, unverzögert);

