



circuit breaker 3VA2 IEC frame 630 breaking capacity class M Icu=55kA @ 415V 4-pole, line protection ETU350, LSI, In=630A overload protection Ir=250A...630A short-circuit protection Isd=1.5...9x Ir, li=9x In N conductor protection adjustable (OFF, 50%, 100%) nut keeper kit circuit breaker 3VA2 IEC frame 630 breaking capacity class M Icu=55kA @ 415V 4-pole, line protection ETU350, LSI, In=630A overload protection UNDERVOLTAGE RELEASE 24 V DC ACCESSORY FOR 3VA1 and 3VA20 up 2 AUXILIARY SWITCH CHANGEOVER H 1 TRIP ALARM SWITCH CHANGEOVER

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the overcurrent release	ETU350
protection function of the overcurrent release	LSI
number of poles	4
design of the auxiliary release	undervoltage release (UVR)
design of the auxiliary switch	2 auxiliary switches + 1 trip alarm switch HQ
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	164.5 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	54.83 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	5 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 500
product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
• communication function	No
• other measurement function	No
Net Weight	6.884 kg
Current	
operational current	
• at 40 °C	630 A
• at 45 °C	612 A
• at 50 °C	593 A
• at 55 °C	575 A
• at 60 °C	557 A
• at 65 °C	538 A
• at 70 °C	520 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	6 kA

operating 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	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	
product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	250 A
• maximum	630 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
• maximum	12 s
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
• minimum	945 A
• maximum	5 670 A
adjustable response value delay time (tsd) / for S-tripping / with I2t characteristic	
• minimum	0.02 s
• maximum	0.4 s
adjustable response value setting current (Ii) / for I-tripping	
• minimum	5 670 A
• maximum	5 670 A
adjustable absolute value setting current (InN) / for N-tripping	
• minimum	315 A
• maximum	630 A
design of the N-conductor protection	adjustable OFF; 50%; 100%
product function / grounding protection	No
Mechanical Design	
product component	
• undervoltage release	Yes
• voltage trigger	No
• trip indicator	Yes
height [in]	9.76 in
height	248 mm
width [in]	7.24 in
width	184 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-sections / for flat-bar terminal connection / minimum	20 x 1 mm
type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	35 x 10 mm
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	silver
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	3
Accessories	

product extension / optional / motor drive	Yes
manufacturer's article number	
<ul style="list-style-type: none"> • 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 	#BEZUG! 3VA9988-0AA12 3VA9988-0AB12 3VA9608-0BB11
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

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



[Miscellaneous](#)



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

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)



Marine / Shipping	other
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[CCS / China Classification Society](#)

[Confirmation](#)

[Miscellaneous](#)

other	Dangerous Good	Environment
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[Miscellaneous](#)

[Transport Information](#)

[Environmental Conformations](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3VA2463-5HN42-0BH0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2463-5HN42-0BH0>

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

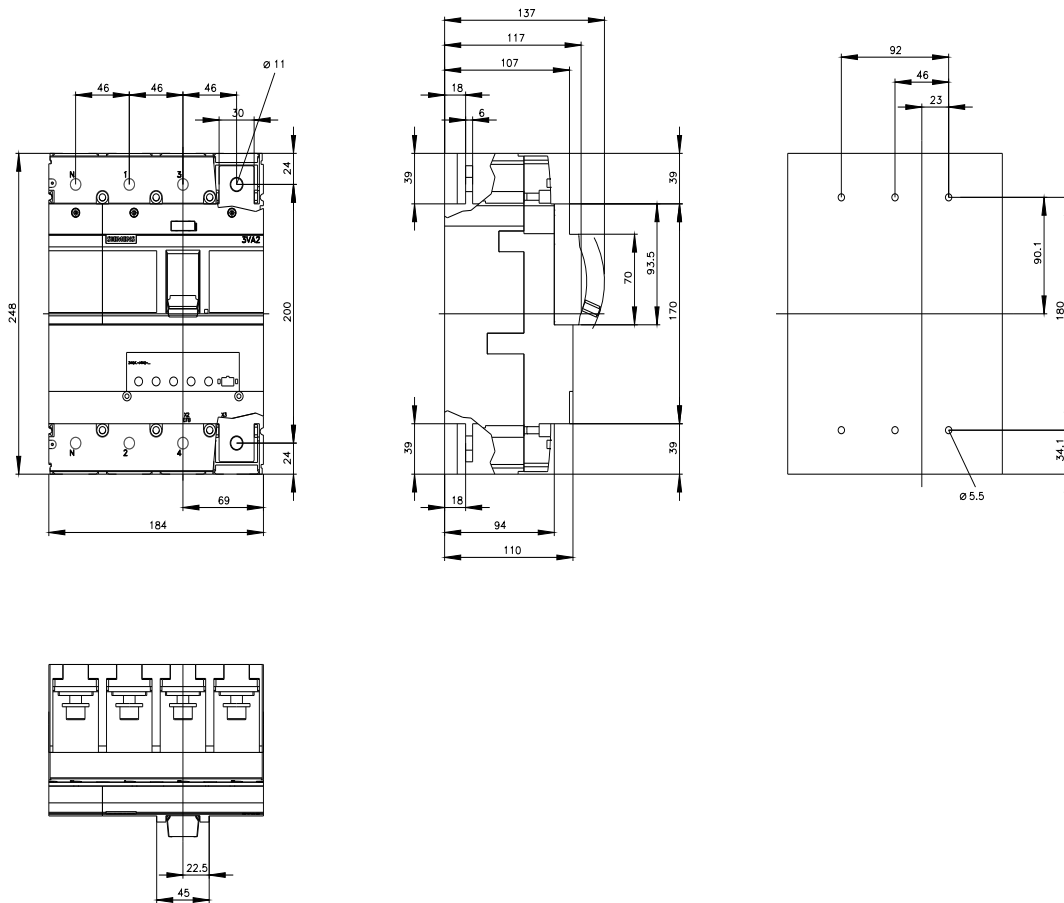
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2463-5HN42-0BH0

CAX-Online-Generator

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

Tender specifications

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



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