



circuit breaker 3VA2 IEC frame 630 breaking capacity class H $I_{cu}=85kA @ 415V$ 3-pole, line protection ETU850, LSI, $I_n=630A$ overload protection $I_r=250A...630A$ short-circuit protection $I_{sd}=0.6..9 \times I_n$, $I_i=1.5..9 \times I_n$ N conductor protection optionally with external current transformer, up to 160% nut keeper kit undervoltage release (UVR) 120-127V AC 50/60Hz 2 auxiliary switches HQ 1 trip alarm switch HQ 1 electrical alarm switch

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU850
protection function of the overcurrent release	LSI
number of poles	3
Auxiliary contact version	2 auxiliary switches + 1 trip alarm switch + 1 electrical alarm switch HQ
General technical data	
rated insulation voltage U_i	800 V
power loss [W] / maximum	164.5 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	54.83 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	Without
product function	
• communication function	Yes
• other measurement function	Yes
Net Weight	4,4 kg
Current	
Max. rated operational current of the frame size	630 A
Courant permanent assigné I_u	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	H
breaking capacity maximum short-circuit current (I_{cu})	
• at 240 V	110 kA
• at 415 V	85 kA

<ul style="list-style-type: none"> • at 440 V • at 500 V • at 690 V 	85 kA 55 kA 6 kA
breaking capacity operating short-circuit current (Ics) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	110 kA 85 kA 85 kA 55 kA 6 kA
short-circuit current making capacity (Icm) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	242 kA 187 kA 187 kA 121 kA 9 kA
Adjustable parameters	
Adjustable response value current / li min.	945 A
Adjustable response value current / li max.	5 670 A
design of the N-conductor protection	adjustable OFF; 20% to 160%
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 <ul style="list-style-type: none"> • undervoltage release • voltage trigger • undervoltage release with leading contact • trip indicator 	Yes No No Yes
number of CO contacts / for auxiliary contacts	4
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 switch/alarm switch • of the integrated auxiliary trip unit 	3VA2463-6KP32-0AA0 3VA9988-0AA12 3VA9988-0AB12 3VA9988-0AB22 3VA9608-0BB24
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 / acc. to IEC 81346-2	Q

General Product Approval			EMC	Declaration of Conformity	
		Miscellaneous			UK Declaration of Conformity
Declaration of Conformity		Test Certificates		Marine / Shipping	
	Special Test Certificate	Miscellaneous	Type Test Certificates/Test Report		
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=3VA2463-6KP32-0CL0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2463-6KP32-0CL0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2463-6KP32-0CL0

CAX-Online-Generator

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

Tender specifications

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



