



circuit breaker 3VA2 IEC frame 100 breaking capacity class M Icu=55kA @ 415V 4-pole, line protection ETU330, LIG, In=63A overload protection Ir=25A...63A short-circuit protection Ii=1.5...12 x In N conductor protection adjustable (OFF, 100%) ground-fault protection Ig=0.25...1 x In= tg=0.1/0.3s 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	ETU330
protection function of the overcurrent release	LIG
number of poles	4
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 Ui	800 V
power loss [W] / maximum	5.4 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	1.8 W
mechanical service life (switching cycles) / typical	25 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	15 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	10 500
Neutral conductors / upgradeable/retrofitable	No
ground-fault monitoring version	Summation current formation L + N conductor
product function	
• communication function	No
• other measurement function	No
Net Weight	3,006 kg
Current	
Max. rated operational current of the frame size	100 A
Courant permanent assigné lu	63 A
operational current	
• at 40 °C	63 A
• at 45 °C	63 A
• at 50 °C	63 A
• at 55 °C	63 A
• at 60 °C	63 A
• at 65 °C	63 A
• at 70 °C	63 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 • at 440 V • at 500 V • at 690 V	55 kA 55 kA 36 kA 2 kA
breaking capacity operating short-circuit current (Ics) • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	85 kA 55 kA 55 kA 36 kA 2 kA
short-circuit current making capacity (Icm) • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	187 kA 121 kA 121 kA 75.6 kA 3 kA
Adjustable parameters	
Adjustable response value current / Ii min.	95 A
Adjustable response value current / Ii max.	756 A
design of the N-conductor protection	adjustable OFF; 100%
Ground fault protection / tripping switchable / I2t=ON/OFF	Yes
Adjustable response value current / Ig min.	16 A
Adjustable response value current / Ig max.	63 A
Mechanical Design	
height [in]	7.13 in
Height	181 mm
width [in]	5.51 in
Width	140 mm
depth [in]	3.39 in
depth	86 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.	13 x 1 mm
Type of connectable conductor cross-section, connection screw, width x thickness , max.	25 x 8 mm
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	tin
Auxiliary circuit	
product component	
• undervoltage release • voltage trigger • trip indicator	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	#BEZUG! 3VA9988-0AA12 3VA9988-0AB12
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	

General Product Approval

EMC

Declaration of
Conformity
[Miscellaneous](#)
Declaration of
Conformity

Test Certificates

Marine / Shipping

[UK Declaration of
Conformity](#)
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ficates/Test Report](#)
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ficate](#)


Marine / Shipping

other


[CCS / China Classi-
fication Society](#)
[Miscellaneous](#)
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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=3VA2063-5HM42-0AH0>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2063-5HM42-0AH0>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2063-5HM42-0AH0
CAX-Online-Generator
<http://www.siemens.com/cax>
Tender specifications
<http://www.siemens.com/specifications>



