



circuit breaker 3VA2 IEC frame 160 breaking capacity class C Icu=110kA @ 415V 3-pole, line protection ETU330, LIG, In=25A overload protection Ir=10A...25A short-circuit protection li=1.5...12 x In ground-fault protection Ig=0.6... 1 x In, tg=0.1/0.3s nut keeper kit universal release (UNI) 24V DC 1 auxiliary switch HQ 1 trip alarm switch HQ 1 electrical alarm switch

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	3
design of the auxiliary release	universal trigger (UNI)
Auxiliary contact version	1 auxiliary switches + 1 trip alarm switch + 1 electrical alarm switch HQ
General technical data	
rated insulation voltage Ui	800 V
power loss [W] / maximum	3.1 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	1.03 W
mechanical service life (switching cycles) / typical	25 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	14 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	9 800
Neutral conductors / upgradeable/retrofittable	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	No
• other measurement function	No
Net Weight	2,458 kg
Current	
Max. rated operational current of the frame size	160 A
Courant permanent assigné lu	25 A
operational current	
• at 40 °C	25 A
• at 45 °C	25 A
• at 50 °C	25 A
• at 55 °C	25 A
• at 60 °C	25 A
• at 65 °C	25 A
• at 70 °C	25 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	C
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	150 kA

• at 415 V • at 440 V • at 500 V • at 690 V	110 kA 110 kA 85 kA 2.5 kA
breaking capacity operating short-circuit current (Ics) • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	150 kA 110 kA 110 kA 85 kA 2.5 kA
short-circuit current making capacity (Icm) • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	330 kA 242 kA 242 kA 187 kA 3.7 kA
Adjustable parameters	
Adjustable response value current / Ii min.	38 A
Adjustable response value current / Ii max.	300 A
Ground fault protection / tripping switchable / I2t=ON/OFF	Yes
Adjustable response value current / Ig min.	15 A
Adjustable response value current / Ig max.	25 A
Mechanical Design	
height [in]	7.13 in
Height	181 mm
width [in]	4.13 in
Width	105 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	Yes Yes 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 switch/alarm switch • of the integrated auxiliary trip unit	#BEZUG! 3VA9988-0AA12 3VA9988-0AB12 3VA9988-0AB22 3VA9908-0BD12
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

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General Product Approval

EMC

Declaration of Conformity



[Miscellaneous](#)



Declaration of Conformity

Test Certificates

Marine / Shipping

[UK Declaration of Conformity](#)

[Miscellaneous](#)

[Special Test Certificate](#)

[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=3VA2125-7HM32-0LK0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2125-7HM32-0LK0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2125-7HM32-0LK0

CAX-Online-Generator

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

Tender specifications

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



