



circuit breaker 3VA2 IEC frame 1000 breaking capacity class C Icu=110kA @ 415V 3-pole, motor protection ETU860M, LSIG, In=800A overload protection Ir=320A...800A short-circuit protection Isd=1.2..15 x In, li=3..15 x In gr.-fault prot., can be sw. off Ig=0.2...1 x In, tg=0.05-0.8s nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Motor protection
design of the overcurrent release	ETU860M
protection function of the overcurrent release	LSIG
number of poles	3
General technical data	
rated insulation voltage Ui	800 V
operating power / at AC-3 / at 400 V	355 000 W
operating power / at AC-3 / at 230 V	200 000 W
power loss [W] / maximum	210 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	70 W
mechanical service life (switching cycles) / typical	10 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	4 600
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	3 200
Neutral conductors / upgradeable/retrofittable	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	Yes
• phase failure detection	Yes
• other measurement function	Yes
Net Weight	11340 g
Current	
Max. rated operational current of the frame size	1 000 A
Courant permanent assigné lu	800 A
operational current	
• at 40 °C	800 A
• at 45 °C	800 A
• at 50 °C	800 A
• at 55 °C	800 A
• at 60 °C	800 A
• at 65 °C	767 A
• at 70 °C	703 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 • at 415 V • at 440 V • at 500 V • at 690 V	200 kA
	110 kA
	110 kA
	85 kA
	35 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
	85 kA
	70 kA
	65 kA
	19 kA
short-circuit current making capacity (Icm)	
• at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	440 kA
	242 kA
	242 kA
	187 kA
	73.5 kA
Adjustable parameters	
Adjustable response value current / Ii min.	2 400 A
Adjustable response value current / Ii max.	12 000 A
Ground fault protection / tripping switchable / I2t=ON/OFF	Yes
Adjustable response value current / Ig min.	160 A
Adjustable response value current / Ig max.	800 A
Mechanical Design	
height [in]	12.6 in
Height	320 mm
width [in]	8.27 in
Width	210 mm
depth [in]	4.72 in
depth	120 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 4 mm
Type of connectable conductor cross-section, connection screw, width x thickness , max.	50 x 28 mm
Auxiliary circuit	
product component	
• undervoltage release • voltage trigger • trip indicator	No
	No
	No
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	No
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 / according to IEC 81346-2	Q
General Product Approval	
	EMC

[Confirmation](#)



[Miscellaneous](#)



Declaration of Conformity

Test Certificates

Marine / Shipping

[UK Declaration of Conformity](#)



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



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=3VA2580-7MQ32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2580-7MQ32-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2580-7MQ32-0AA0

CAX-Online-Generator

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

Tender specifications

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

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