



circuit breaker 3VA2 IEC frame 1250 breaking capacity class H Icu=85kA @ 415 V 3-pole, line protection ETU330, LIG, In=1250A overload protection Ir=500A ...1250A short circuit protection Ii=1,5...10 x In ground-fault protection Ig=0,2... 1 x In, tg=0,1/0,3s nut keeper kit

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
General technical data	
rated insulation voltage Ui	800 V
power loss [W] / maximum	516 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	172 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/retrofitable	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	No
• other measurement function	No
Net Weight	23 kg
Current	
Max. rated operational current of the frame size	1 250 A
Courant permanent assigné lu	1 250 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	H
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	110 kA
• at 415 V	85 kA
• at 440 V	85 kA
• at 500 V	55 kA
• at 690 V	35 kA
breaking capacity operating short-circuit current (Ics)	
• at 240 V	110 kA
• at 415 V	85 kA
• at 440 V	70 kA
• at 500 V	55 kA
• at 690 V	19 kA

short-circuit current making capacity (Icm)			
● at 240 V		242 kA	
● at 415 V		187 kA	
● at 440 V		187 kA	
● at 500 V		121 kA	
● at 690 V		73.5 kA	
Adjustable parameters			
Adjustable response value current / Ii min.		1 875 A	
Adjustable response value current / Ii max.		12 500 A	
Ground fault protection / tripping switchable / I2t=ON/OFF		Yes	
Adjustable response value current / Ig min.		250 A	
Adjustable response value current / Ig max.		1 250 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		both sides processed busbar connection piece	
Auxiliary circuit			
product component			
● undervoltage release		No	
● voltage trigger		No	
● trip indicator		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		-25 °C	
● during operation / maximum		70 °C	
● during storage / minimum		-40 °C	
● during storage / maximum		80 °C	
Certificates			
reference code / acc. to IEC 81346-2		Q	
General Product Approval		EMC	Declaration of Conformity



[Miscellaneous](#)



[UK Declaration of Conformity](#)

Test Certificates	Marine / Shipping	other
Type Test Certificates/Test Report	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=3VA2612-6HM32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2612-6HM32-0AA0>

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

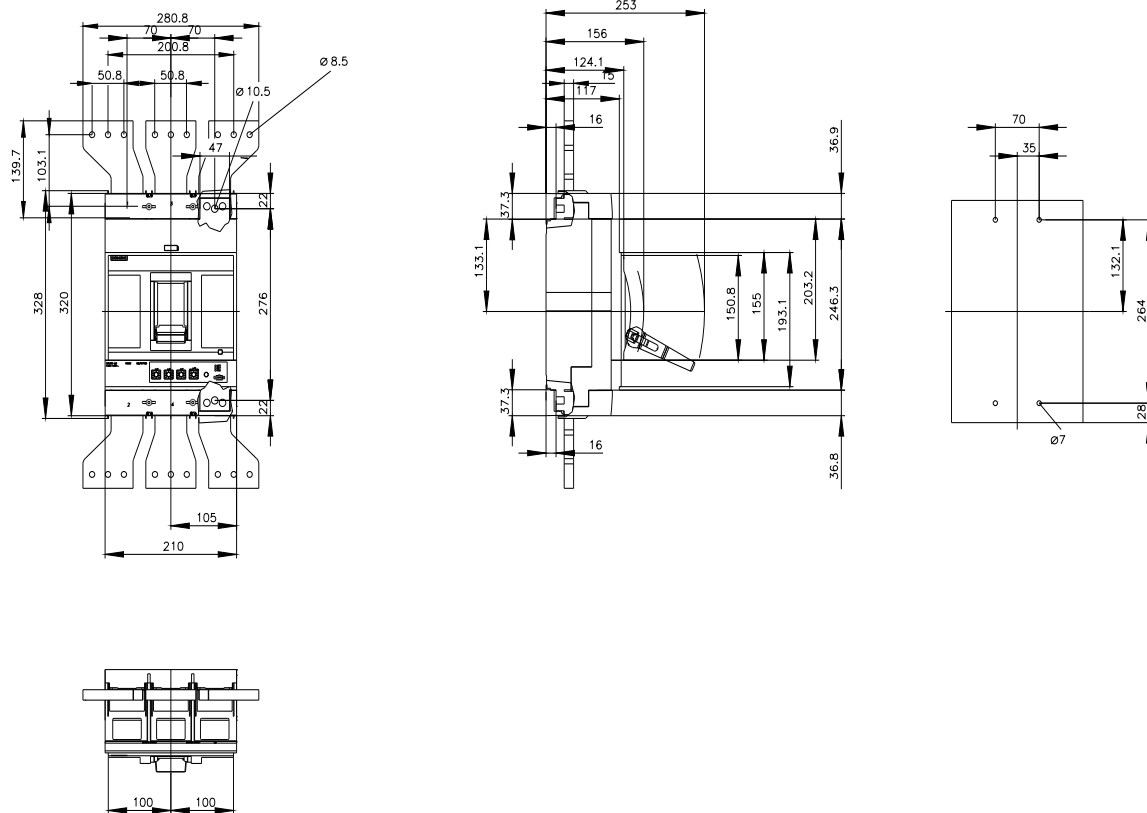
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2612-6HM32-0AA0

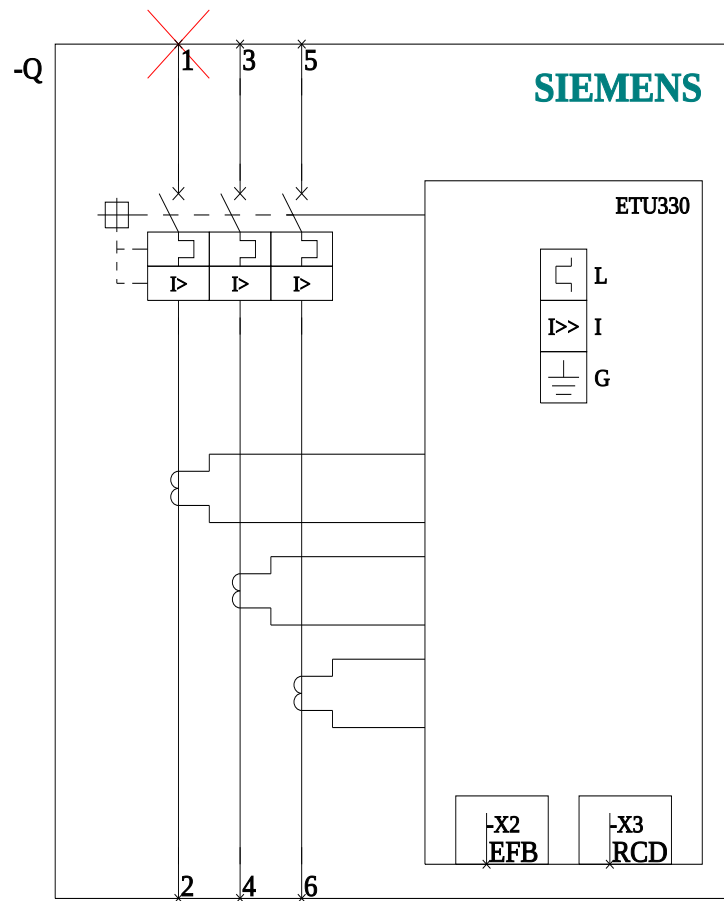
CAX-Online-Generator

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

Tender specifications

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





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