



circuit breaker 3VA2 IEC frame 160 breaking capacity class E Icu=200 kA @ 415 V 3-pole, line protection ETU320, LI, In=63A overload protection Ir=25A ... 63A short circuit protection Ii=1,5...12 x In busbar connection

Model	
product brand name	SETRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU320
protection function of the overcurrent release	LI
number of poles	3
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/retrofitable	No
ground-fault monitoring version	Without
product function	
• communication function	No
• other measurement function	No
Net Weight	2,28 kg
Current	
Max. rated operational current of the frame size	160 A
Courant permanent assigné Iu	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	E
breaking capacity maximum short-circuit current (Icu)	
• at 415 V	200 kA
• at 690 V	85 kA
breaking capacity operating short-circuit current (Ics)	

• at 415 V • at 690 V	200 kA		
	65 kA		
short-circuit current making capacity (Icm)			
• at 415 V • at 690 V	440 kA		
	187 kA		
Adjustable parameters			
Adjustable response value current / Ii min.	95 A		
Adjustable response value current / Ii max.	756 A		
Ground fault protection / tripping switchable / I2t=ON/OFF	No		
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	No		
	No		
	No		
number of CO contacts / for auxiliary contacts	0		
Accessories			
product extension / optional / motor drive	Yes		
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	Q		
General Product Approval		EMC	Declaration of Conformity

[Confirmation](#)

[Miscellaneous](#)



[UK Declaration of Conformity](#)



Test Certificates

Marine / Shipping

other

[Special Test Certificate](#)

[Miscellaneous](#)



[CCS / China Classification Society](#)

[Miscellaneous](#)

other

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=3VA2163-0HL32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2163-0HL32-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2163-0HL32-0AA0

CAX-Online-Generator

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

Tender specifications

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



