

CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS H ICU=85KA @ 415 V 3POLE, LINE PROTECTION ETU860, LSIG, IN=63A OVERLOAD PROTECTION IR=25A ...63A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..12X IN NEUTRAL PROTECTION OPTIONAL WITH EXT. CT,UPTO 160% GROUNDFAULT, SWITCHABLE IG=0,2... 1 X IN, TG=0,050,8MS BUSBAR CONNECTION

Model	
product brand name	SENTRON
Product designation	Molded case circuit breaker
Design of the product	Line protection
Product variations	Selective Applications
Ground fault monitoring version	Summation current formation L-conductor
Design of the auxiliary release	without auxiliaryrelease
Design of the auxiliary switch	Without
Design of the operating mechanism	toggle handle
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	ETU860

General technical data				
Number of poles		3		
Trip class / of the L-trip / with I2t characteristic / initial value		0.5		
Trip class / of the L-trip / with I2t characteristic / Full-scale value		25		
Electrical endurance (switching cycles)				
• at AC-1 / at 380/415 V / at 50/60 Hz		12 000		
Total disconnection time / for G-tripping / with standard characteristic / initial value	S	0.05		
Total disconnection time / for G-tripping / with standard characteristic / Full-scale value	S	0.8		
circuit-breaker / Design		3VA		
Mechanical service life (switching cycles) / typical		20 000		

Voltage					
Insulation voltage / Rated value	V	800			
Protection class					
Protection class IP		IP40			
Protection class IP / on the front		IP40			
Protective function of the overcurrent release		LSIG			
Switching capacity Switching capacity class of the circuit breaker		н			
Switching capacity class of the circuit breaker		n			
Dissipation					
Active power loss					
• maximum	W	5.4			
Electricity					
Continuous current / Rated value / maximum	А	100			
Continuous current / Rated value	Α	63			
Adjustable response value current / of the	Α	1.5			
instantaneous short-circuit release / initial value					
Main circuit					
Operating voltage					
• with AC / at 50/60 Hz / Rated value	V	690			
Operating current					
• at 40 °C / Rated value	Α	63			
• at 50 °C / Rated value	Α	63			
• at 60 °C / Rated value	Α	63			
• at 65 °C / Rated value	Α	63			
• at 70 °C / Rated value	Α	63			
Auxiliary circuit					
Number of NC contacts / for auxiliary contacts		0			
Number of NO contacts / for auxiliary contacts		0			
·					
Suitability Suitability for use		system protection			
Cultability for use		System protection			
Adjustable parameters					
Adjustable response value current					
 for G-tripping / with I2t characteristic / initial value 	Α	0.25			
 for G-tripping / with I2t characteristic / Full-scale value 	Α	1			
• for G-tripping / with standard characteristic / initial value	Α	0.25			
• for G-tripping / with standard characteristic / Full-scale value	А	1			

of I-trip / Full-scale value	Α	12
 of the short-time delayed short-circuit release / initial value 	Α	0.6
 of the short-time delayed short-circuit release / Full-scale value 	Α	10
 of S-trip / with standard characteristic / initial value 	Α	0.6
 of S-trip / with standard characteristic / Full- scale value 	Α	10
Adjustable delay time		
 for G-tripping / with I2t characteristic / initial value 	S	0.05
 for G-tripping / with I2t characteristic / Full-scale value 	s	0.8
• of S-trip / with I2t characteristic / initial value	s	0.05
 of S-trip / with I2t characteristic / Full-scale value 	S	0.5
 of S-trip / with standard characteristic / initial value 	S	0.05
 of S-trip / with standard characteristic / Full- scale value 	s	0.5
Adjustable response value current / of the current- dependent overload release / initial value	А	0.4
Product details		
Product details Product component		
		No
Product component		No Yes
Product component Trip indicator		
Product component Trip indicator display		Yes
Product component Trip indicator display undervoltage release		Yes
Product component Trip indicator display undervoltage release Product property of the circuit breaker with tripping unit / Tripping		Yes No
Product component Trip indicator display undervoltage release Product property of the circuit breaker with tripping unit / Tripping characteristic adjustable for neutral conductors / upgradeable/retrofittable / Short-circuit and		Yes No Yes
Product component Trip indicator display undervoltage release Product property of the circuit breaker with tripping unit / Tripping characteristic adjustable for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof		Yes No Yes Yes
Product component Trip indicator display undervoltage release Product property of the circuit breaker with tripping unit / Tripping characteristic adjustable for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof Product expansion / optional / motor drive		Yes No Yes Yes
Product component Trip indicator display undervoltage release Product property of the circuit breaker with tripping unit / Tripping characteristic adjustable for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof Product expansion / optional / motor drive		Yes No Yes Yes

Accessories

• Phase failure detection

• other measurement function

No Yes

Manufacturer article number / of the supplied basic switch		3VA2063-6KQ32-0AA0
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 240 V / Rated value	kA	110
• at 415 V / Rated value	kA	85
• at 440 V / Rated value	kA	85
• at 500 V / Rated value	kA	55
• at 690 V / Rated value	kA	2
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	110
• at 415 V / Rated value	kA	85
• at 440 V / Rated value	kA	85
• at 500 V / Rated value	kA	55
● at 690 V / Rated value	kA	2
Short-circuit current making capacity (lcm)		
● at 240 V / Rated value	kA	242
● at 415 V / Rated value	kA	187
● at 440 V / Rated value	kA	187
● at 500 V / Rated value	kA	121
● at 690 V / Rated value	kA	3
Connections		
Arrangement of electrical connectors / for main		Front terminal
current circuit		
Type of connectable conductor cross-section		40 4
• for flat-bar terminal connection / minimum		13 x 1 mm
• for flat-bar terminal connection / maximum		25 x 8.5
Type of electrical connection / for main current circuit		Lug terminal
Mechanical Design		
Height	mm	181
Width	mm	105 107
Depth Mounting type	mm	fixed mounting
Environmental conditions Ambient temperature		
during operation / minimum	°C	-25
during operation / maximum during operation / maximum	°C	70
during operation / maximum during storage / minimum	°C	-40
during storage / maximum during storage / maximum	°C	80
- during storage / maximum		

Certificates **Equipment marking** • acc. to DIN EN 61346-2 Q Q • acc. to DIN EN 81346-2 **General Product Approval EMC Declaration of Shipping** Conformity **Approval** other

Shipping other **Approval**



other

GL

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA20636KQ320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA20636KQ320AA0/all

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

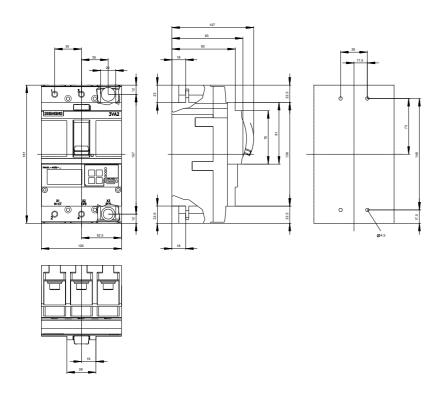
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA20636KQ320AA0

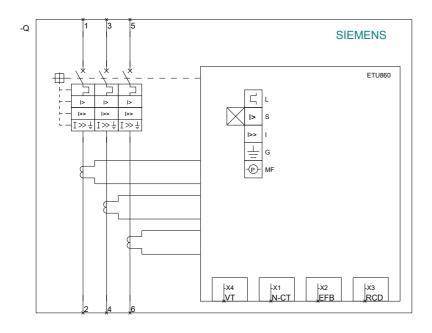
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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