

CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS L ICU=150KA @ 415 V 4POLE, LINE PROTECTION ETU560, LSIG, IN=63A OVERLOAD PROTECTION IR=25A ...63A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..12X IN NEUTRAL PROTECTION ADJUSTABLE (OFF, UPTO 160%) GROUNDFAULT, SWITCHABLE IG=0,2... 1 X IN, TG=0,050,8MS BUSBAR CONNECTION

Figure similar

Model		
product brand name	SENTRON	
Product designation	Molded case cir	cuit breaker
Design of the product	Line protection	
Product variations	Selective Applic	ations
Ground fault monitoring version	Summation curr	ent formation L + N conductor
Design of the auxiliary release	without auxiliary	release
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	ETU560	

General technical data				
Number of poles		4		
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		L	
Switching capacity class of the circuit breaker			
Dissipation			
Active power loss			
• maximum	W	3	
Electricity			
Continuous current / Rated value / maximum	Α	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	
·			
Adjustable parameters Adjustable response value current			
for G-tripping / with I2t characteristic / initial	Α	0.25	
value	, .		
for G-tripping / with I2t characteristic / Full-scale	Α	1	
value			
• for G-tripping / with standard characteristic /	Α	0.25	
initial value			
• for G-tripping / with standard characteristic /	Α	1	
Full-scale value			

• of I-trip / Full-scale value	Α	12
 of the short-time delayed short-circuit release / initial value 	А	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 component		
Trip indicator		No
• display		Yes
undervoltage release		No
Product property	_	
 of the circuit breaker with tripping unit / Tripping characteristic adjustable 		Yes
 for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof 		No
Product expansion / optional / motor drive		Yes
Product function		
Product function		
Intrinsic device protection		Yes
• communication function		Yes

Accessories

• Phase failure detection

• other measurement function

No No

Manufacturer article number / of the supplied basic switch		3VA2063-8JQ42-0AA0
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
at 240 V / Rated value	kA	200
• at 415 V / Rated value	kA	150
• at 440 V / Rated value	kA	150
• at 500 V / Rated value	kA	100
• at 690 V / Rated value	kA	18
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	200
• at 415 V / Rated value	kA	150
• at 440 V / Rated value	kA	150
• at 500 V / Rated value	kA	100
• at 690 V / Rated value	kA	24
Short-circuit current making capacity (lcm)		
• at 240 V / Rated value	kA	440
● at 415 V / Rated value	kA	330
● at 440 V / Rated value	kA	330
● at 500 V / Rated value	kA	220
• at 690 V / Rated value	kA	48
Connections		
Arrangement of electrical connectors / for main		Front terminal
current circuit		
Type of connectable conductor cross-section		42 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	140 107
Depth Mounting type	mm	fixed mounting
Environmental conditions Ambient temperature		
during operation / minimum	°C	-25
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/3VA20638JQ420AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA20638JQ420AA0/all

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

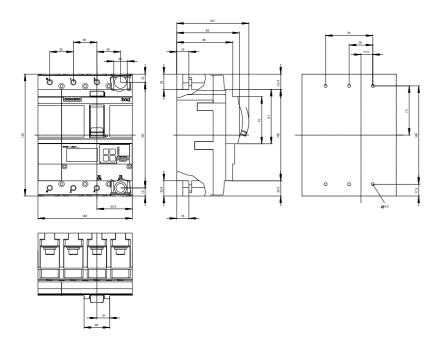
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA20638JQ420AA0

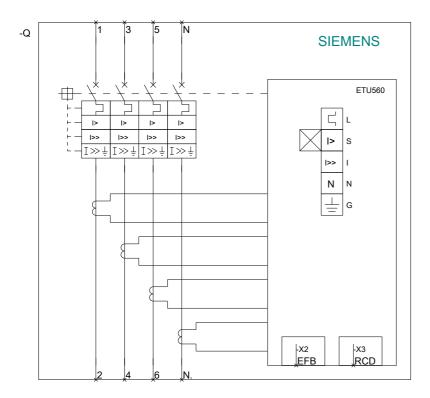
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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