## **SIEMENS**

## Data sheet

## 3VA2063-8HM46-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS L ICU=150KA @ 415 V 4POLE, LINE PROTECTION ETU330, LIG, IN=63A OVERLOAD PROTECTION IR=25A ...63A SHORT CIRCUIT PROTECTION II=1,5...12 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,100%) GROUNDFAULTPROTECTION IG=0,2... 1 X IN, TG=0,1/0,3MS CABLE CONNECTION

Figure similar

Model		
product brand name	S	SENTRON
Product designation	M	Nolded case circuit breaker
Design of the product	L	ine protection
Product variations	S	Selective Applications
Ground fault monitoring version	S	Summation current formation L + N conductor
Design of the auxiliary release	W	vithout auxiliaryrelease
Design of the auxiliary switch	٧	Vithout
Design of the operating mechanism	to	oggle handle
Type of the driving mechanism / motor drive	N	No
Design of the overcurrent release	E	ETU330

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		17			
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	0.1			
Total disconnection time / for G-tripping / with standard characteristic / Full-scale value	S	0.3			
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		LIG
. 10100110 1111010110 11110 0101011111111		
Switching capacity		
Switching capacity class of the circuit breaker		L
Dissipation		
Active power loss		
• maximum	W	3
Floatricity		
Electricity  Continuous current / Rated value / maximum	A	100
Continuous current / Rated value	A	63
Adjustable response value current / of the	A	1.5
instantaneous short-circuit release / initial value		
Main circuit Operating voltage		
with AC / at 50/60 Hz / Rated value	V	690
	V	030
Operating current  • at 40 °C / Rated value	Α	63
• at 50 °C / Rated value	A	63
● at 60 °C / Rated value	A	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	<b>A</b>	0.25
<ul> <li>for G-tripping / with standard characteristic / initial value</li> </ul>	Α	0.25
<ul> <li>for G-tripping / with standard characteristic / Full-scale value</li> </ul>	Α	1
• of I-trip / Full-scale value	Α	12
Adjustable response value current / of the current-dependent overload release / initial value	A	0.397
dependent overload release / lilitial value		

Product details		
Product component		
Trip indicator		No
• display		No
undervoltage release		No
Product property	_	
• of the circuit breaker with tripping unit / Tripping		Yes
characteristic adjustable		
• for neutral conductors /		No
upgradeable/retrofittable / Short-circuit and overload proof		
Product expansion / optional / motor drive		Yes
Troduct expansion / optional / motor drive		163
Product function		
Product function		
Intrinsic device protection		Yes
communication function		No
Phase failure detection		No
<ul> <li>other measurement function</li> </ul>		No
Accessories		
Short circuit		
Operational short-circuit current breaking capacity		
(Ics)	kA	200
• at 240 V / Rated value	kA	150
at 415 V / Rated value	kA	150
at 440 V / Rated value     at 500 V / Rated value	kA	100
<ul><li>at 500 V / Rated value</li><li>at 690 V / Rated value</li></ul>	kA	18
Maximum short-circuit current breaking capacity (Icu)	- 10-1	10
• 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	IV V	
- at Joo v / Italeu value	kA	100
• at 690 V / Rated value	kA kA	100
at 690 V / Rated value  Short-circuit current making capacity (Icm)	kA kA	100 24
Short-circuit current making capacity (lcm)	kA	24
Short-circuit current making capacity (lcm)  • at 240 V / Rated value	kA kA	24 440
Short-circuit current making capacity (Icm)  • at 240 V / Rated value  • at 415 V / Rated value	kA kA kA	24 440 330
Short-circuit current making capacity (Icm)  • at 240 V / Rated value  • at 415 V / Rated value  • at 440 V / Rated value	kA kA kA	24 440 330 330
Short-circuit current making capacity (Icm)  • at 240 V / Rated value  • at 415 V / Rated value	kA kA kA	24 440 330

	Front terminal			
	1 x (6-120 mm²)			
	Box terminal			
Mechanical Design				

Mechanical Design					
Height	mm	181			
Width	mm	140			
Depth	mm	107			
Mounting type		fixed mounting			

Environmental conditions					
Ambient temperature					
<ul><li>during operation / minimum</li></ul>	°C	-25			
<ul><li>during operation / maximum</li></ul>	°C	70			
<ul> <li>during storage / minimum</li> </ul>	°C	-40			
<ul> <li>during storage / maximum</li> </ul>	°C	80			

Certificates						
Equipment marking						
• acc. to DIN EN 61346-2	Q					
• acc. to DIN EN 81346-2	Q					
One and Decident Assessed	EMO	Daalaaattaa af	- 41	Т		

General Prod	uct Approval		EMC	Declaration of Conformity	other
	$\triangle$	FMF	other		other







## 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/3VA20638HM460AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA20638HM460AA0/all

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

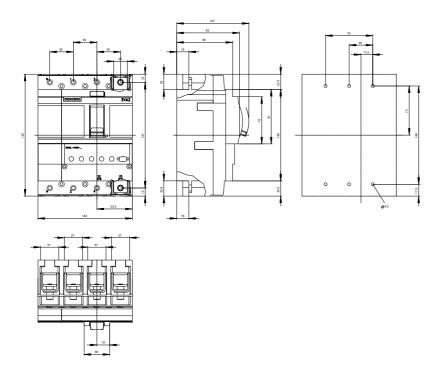
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA20638HM460AA0

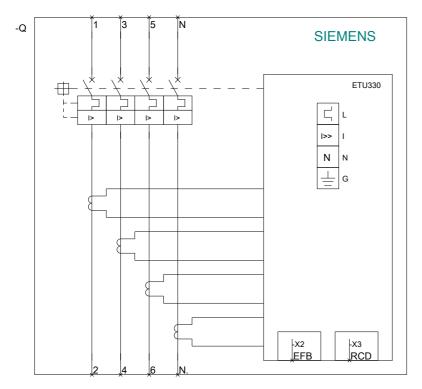
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://ausschreibungstexte.siemens.com/tiplv





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