



circuit breaker 3VA2 IEC frame 100 breaking capacity class M
 $I_{cu}=55kA$ @ 415V 3-pole, line protection ETU560, LSIG, $I_n=63A$
 overload protection $I_r=25A...63A$ short-circuit protection $I_{sd}=0.6..10x$
 I_n , $I_i=1.5..12x I_n$ N conductor protection optionally with external
 current transformer gr.-fault prot., can be sw. off $I_g=0.25...1 x I_n$,
 $t_g=0.05-0.8s$ nut keeper kit 2 auxiliary switches HP 1 trip alarm
 switch HP

Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Product version	Line protection
Design of the overcurrent release	ETU560
Protective function of the overcurrent release	LSIG
Number of poles	3
Design of the auxiliary release	Without auxiliary release
Auxiliary contact version	2 auxiliary switches + 1 trip alarm switch HP
General technical data	
Rated insulation voltage U_i	800 V
Max. rated operational voltage U_e with AC 50/60Hz	690 V
Power loss [W] / maximum	5.4 W
Latching - endurance	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	12 000
Neutral conductors / upgradeable/retrofitable	Yes
Ground fault monitoring version	Summation current formation L-conductor
Product function	

• communication function	Yes
• Phase failure detection	No
• other measurement function	No
Net weight	2.41 kg

Current

Max. rated operational current of the frame size	100 A
Rated continuous current I _u	63 A
Operating current	
• at 40 °C	63 A
• at 45 °C	63 A
• at 50 °C	63 A
• at 55 °C	60.6375 A
• at 60 °C	58.275 A
• at 65 °C	55.9125 A
• at 70 °C	53.55 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	M
Maximum short-circuit current breaking capacity (I _{cu})	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	2 kA
Operational short-circuit current breaking capacity (I _{cs})	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	2 kA
Short-circuit current making capacity (I _{cm})	
• at 240 V	187 kA
• at 415 V	121 kA
• at 440 V	121 kA
• at 500 V	79 kA
• at 690 V	3.4 kA

Adjustable parameters

Adjustable response value current / I _r min.	25 A
Adjustable response value current / I _r max.	63 A
Adjustable response value time / t _r min.	0.5
Adjustable response value time / t _r max.	25

Adjustable response value current / I _{sd} min.	38 A
Adjustable response value current / I _{sd} max.	630 A
Short-term delayed / tripping switchable / I _{2t} =ON/OFF	Yes
Adjustable response value time / t _{sd} min.	0.05 s
Adjustable response value time / t _{sd} max.	0.5 s
Adjustable response value time / t _{sd} min.	0.05 s
Adjustable response value time / t _{sd} max.	0.5 s
Adjustable response value current / I _i min.	95 A
Adjustable response value current / I _i max.	756 A
Ground fault protection can be switched ON/OFF	Yes
Adjustable response value current / I _g min.	16 A
Adjustable response value current / I _g max.	63 A
Adjustable response value current / for G-tripping / with I _{2t} characteristic / min.	0.25 A
Adjustable response value current / for G-tripping / with I _{2t} characteristic / max.	1 A

Mechanical Design

Height	181 mm
Width	105 mm
Depth	86 mm

Connections

Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	Lug terminal
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 8.5

Auxiliary circuit

Product component	
<ul style="list-style-type: none"> • undervoltage release • Voltage trigger • undervoltage release with leading contact • Trip indicator 	<p>No</p> <p>No</p> <p>No</p> <p>Yes</p>
Number of CO contacts / for auxiliary contacts	3

Accessories






Product extension / optional / motor drive	Yes
Manufacturer's article number	
<ul style="list-style-type: none"> • of the supplied basic switch • of the integrated auxiliary switch/alarm switch • of the integrated auxiliary switch/alarm switch 	<p>3VA2063-5JQ32-0AA0</p> <p>3VA9988-0AA11</p> <p>3VA9988-0AB11</p>




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 DIN EN 81346-2	Q
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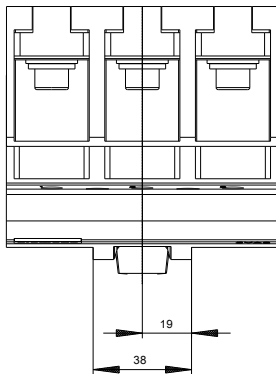
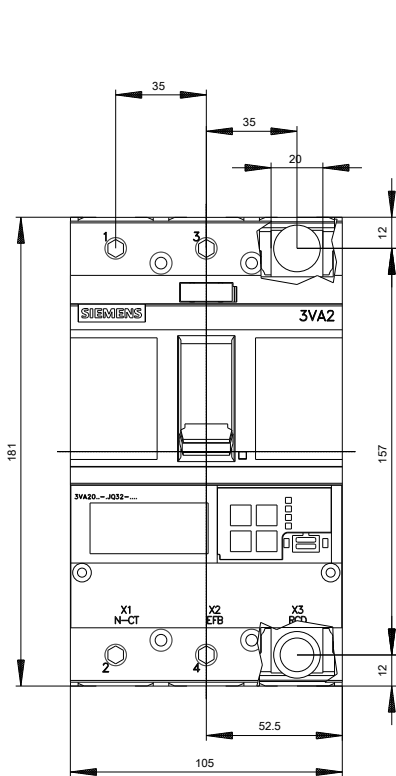
General Product Approval				EMC	
 CCC	 VDE	 CB	Miscellaneous		 RCM

Declaration of Conformity	Test Certificates			Shipping Approval	
 EG-Konf.	Type Test Certificates/Test Report	Miscellaneous	Special Test Certificate	 ABS	 BUREAU VERITAS

Shipping Approval	other				
 LRS	 RMRS	CCS / China Classification Society	Manufacturer Declaration	Miscellaneous	

Further information

- Information- and Downloadcenter (Catalogs, Brochures,...)**
<http://www.siemens.com/lowvoltage/catalogs>
- Industry Mall (Online ordering system)**
<http://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2063-5JQ32-0AJ0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2063-5JQ32-0AJ0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2063-5JQ32-0AJ0
- CAX-Online-Generator**
<http://www.siemens.com/cax>
- Tender specifications**
<http://www.siemens.com/specifications>



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