SIEMENS

Data sheet 3VA1563-6MH32-0AA0

circuit breaker 3VA1 IEC frame 1000 breaking capacity class H Icu=70kA @ 415V 3-pole, starter protection TM120M, AM, In=630A without overload protection short-circuit protection Ii=8...15 x In nut keeper kit

Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Product version	Starter protection
Design of the overcurrent release	TM120M
Protective function of the overcurrent release	I
Number of poles	3

General technical data	
Rated insulation voltage Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Power loss [W] / maximum	132 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	44 W
Mechanical service life (switching cycles) / typical	10 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	4 600
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	3 200
Neutral conductors / upgradeable/retrofittable	No

Ground fault monitoring version	Without
Product function	
• communication function	No
• Phase failure detection	No
• other measurement function	No

Current

Max. rated operational current of the frame size	1 000 A
Rated continuous current Iu	630 A
Operating current	
• at 40 °C	630 A
• at 45 °C	630 A
• at 50 °C	630 A
• at 55 °C	613 A
• at 60 °C	597 A
• at 65 °C	581 A
• at 70 °C	565 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	H
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V	100 kA
• at 415 V	70 kA
• at 440 V	70 kA
• at 500 V	55 kA
• at 690 V	35 kA
Operational short-circuit current breaking capacity (Ics)	
• at 240 V	100 kA
• at 415 V	70 kA
• at 440 V	70 kA
• at 500 V	55 kA
• at 690 V	19 kA
Short-circuit current making capacity (Icm)	
• at 240 V	220 kA
• at 415 V	154 kA
• at 440 V	154 kA
• at 500 V	121 kA
• at 690 V	74 kA

Adjustable parameters

Adjustable response value current / Ii min.	5 040 A
Adjustable response value current / Ii max.	9 450 A

Ground fault protection / tripping switchable / I2t=ON/OFF	No

Mechanical Design

Height [in]	12.6 in
Height	320 mm
Width [in]	8.3 in
Width	210 mm
Depth [in]	4.7 in
Depth	120 mm

Connections

Arrangement of electrical connectors / for main current circuit	Front terminal
Type of connectable conductor cross-section, connection screw, width x thickness , min.	20 x 4 mm

Auxiliary circuit

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	-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

General Product Approval		EMC	Declaration of Conformity	Test Certificates	Shipping Approval
Miscellaneous	EAC	RCM	EG-Konf.	Miscellaneous	Lloyd's Register LRS

other	
Manufacturer Declaration	Miscellaneous

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

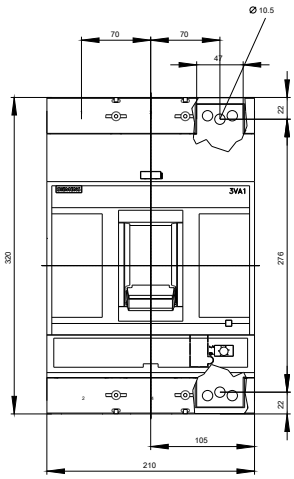
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1563-6MH32-0AA0

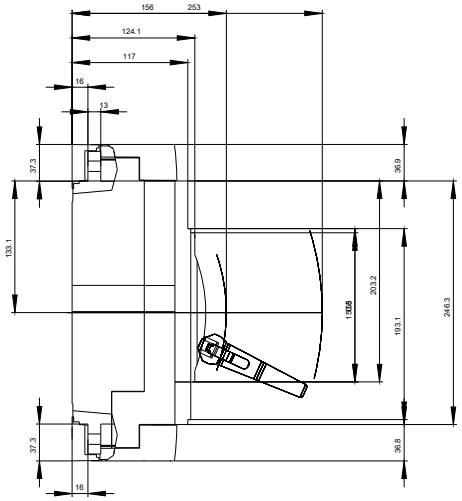
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA1563-6MH32-0AA0

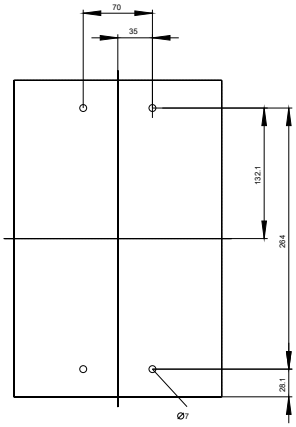
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1563-6MH32-0AA0

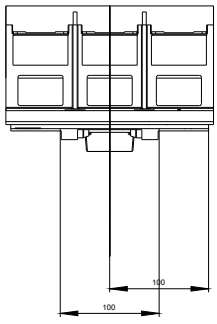
CAx-Online-Generator
http://www.siemens.com/cax

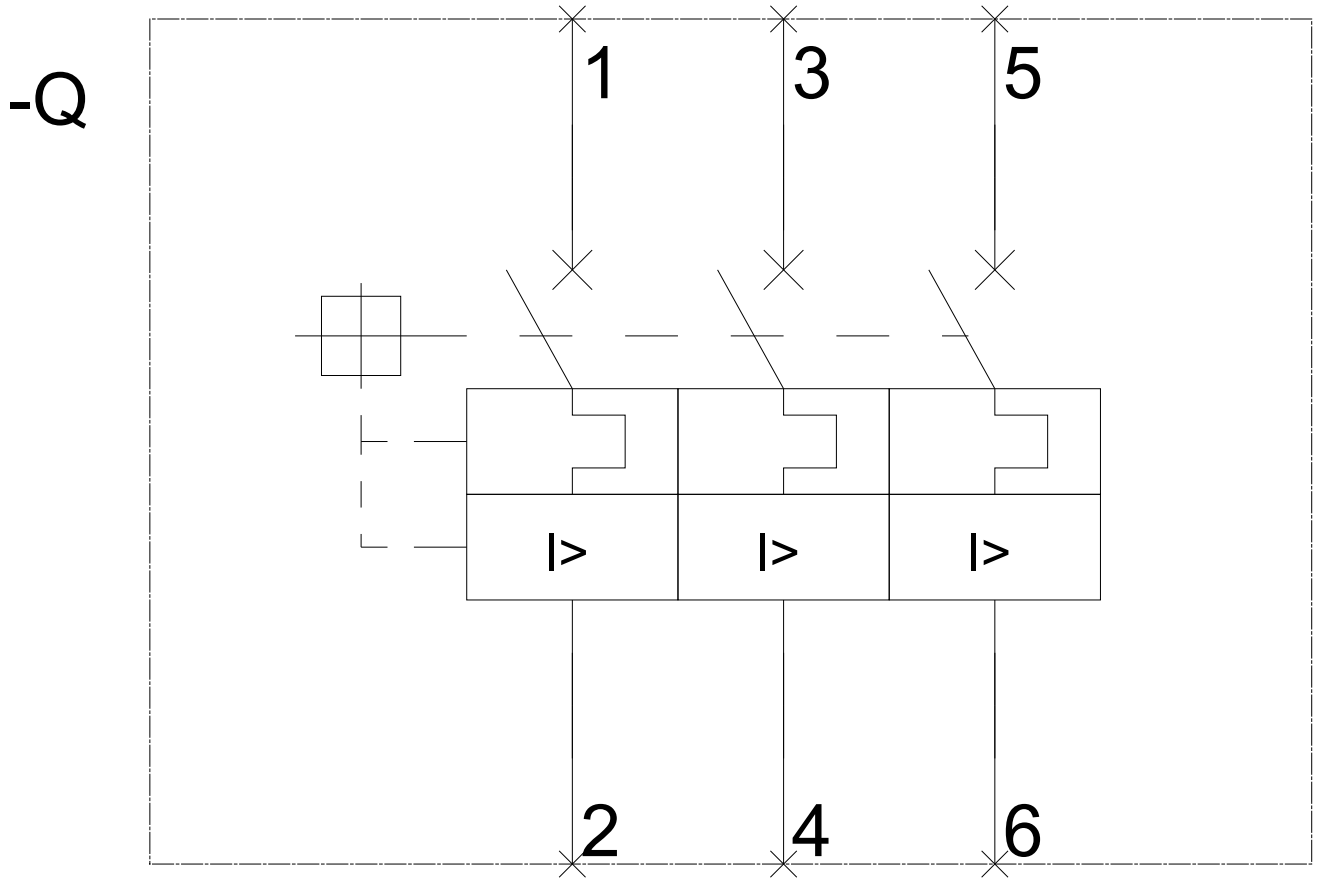
Tender specifications
http://www.siemens.com/specifications











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