



Circuit breaker 3VA2 IEC Frame 100 Switching capacity class M
 $I_{cu}=55 \text{ kA @ } 415 \text{ V}$ 3-pole, system protection ETU560, LSIG, $I_n=63 \text{ A}$
 Overload protection $I_r=25 \text{ A} \dots 63 \text{ A}$ short-circuit protection
 $I_{sd}=0,6 \dots 10 \times I_n$, $I_i=1,5 \dots 12 \times I_n$ N-conductor protection optionally with
 external current transformer Ground fault protection, can be switched
 off $I_g=0,25 \dots 1 \times I_n$, $t_g=0,05-0,8 \text{ s}$ Lug terminal 1 auxiliary switch HQ 1
 tripped signaling contact HQ

Model	
Product brand name	SETRON
Product designation	Molded case circuit breaker
Design of the product	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
Design of the auxiliary switch	1 auxiliary switch + 1 trip alarm switch HQ
General technical data	
Tension assignée d'isolement U_i	800 V
Max. rated operational voltage U_e with AC 50/60Hz	690 V
Active power loss / for rated value of the current / at AC / in hot operating state / per device	5.4 W
Mechanical service life (switching cycles) / typical	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	2.35 kg

Electricity

Max. rated operational voltage of the size of the circuit-breaker	100 A
Courant permanent assigné Iu	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 (Icu)	
• 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 (Ics)	
• 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 (Icm)	
• 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 _g min.	25 A
Adjustable response value current / I _g min.	63 A

Adjustable response value current / I _g min.	0.5
Adjustable response value current / I _g min.	25
Adjustable response value current / I _g min.	38 A
Adjustable response value current / I _g min.	630 A
Short-term delayed / tripping switchable / I _{2t} =ON/OFF	Yes
Adjustable response value current / I _g min.	0.05 s
Adjustable response value current / I _g min.	0.5 s
Adjustable response value current / I _g min.	0.05 s
Adjustable response value current / I _g min.	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	
• undervoltage release	No
• Voltage trigger	No
• undervoltage release with leading contact	No
• Trip indicator	Yes
Number of CO contacts / for auxiliary contacts	2

Accessories

Product extension / optional / motor drive	Yes
Manufacturer's article number	
• of the supplied basic switch	3VA2063-5JQ32-0AA0

- of the integrated auxiliary switch/alarm switch
- of the integrated auxiliary switch/alarm switch

[3VA9988-0AA12](#)

[3VA9988-0AB12](#)

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	Test Certificates
 CCC	 EAC	 RCM
 VDE	Miscellaneous	Type Test Certificates/Test Report

Test Certificates	Shipping Approval
Miscellaneous	 ABS
Special Test Certificate	 BUREAU VERITAS
	 GL
	 LRS

Shipping Approval	other
 RMRS	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=3VA2063-5JQ32-0AF0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2063-5JQ32-0AF0>

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

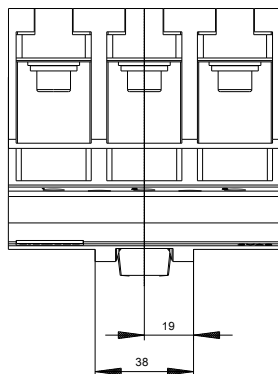
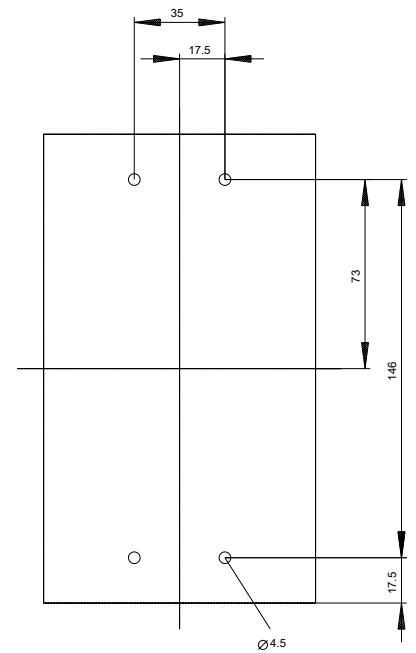
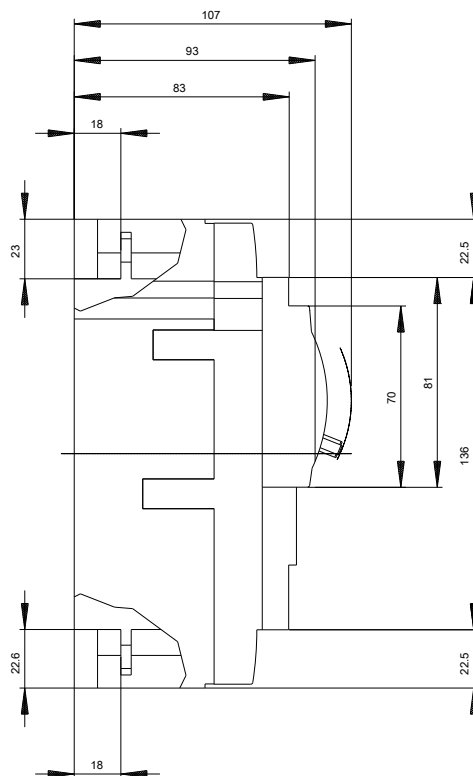
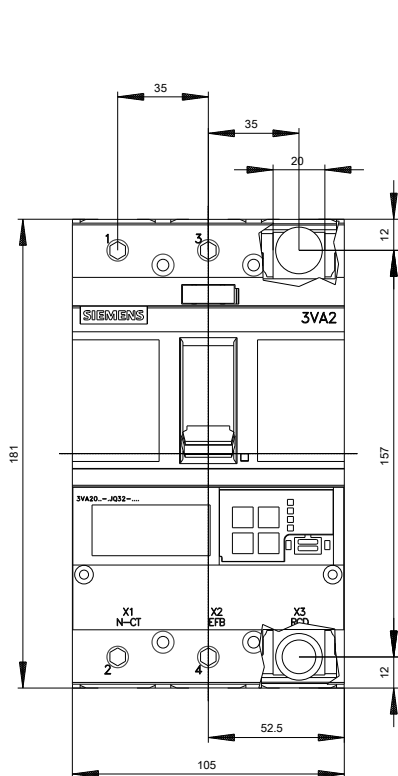
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2063-5JQ32-0AF0

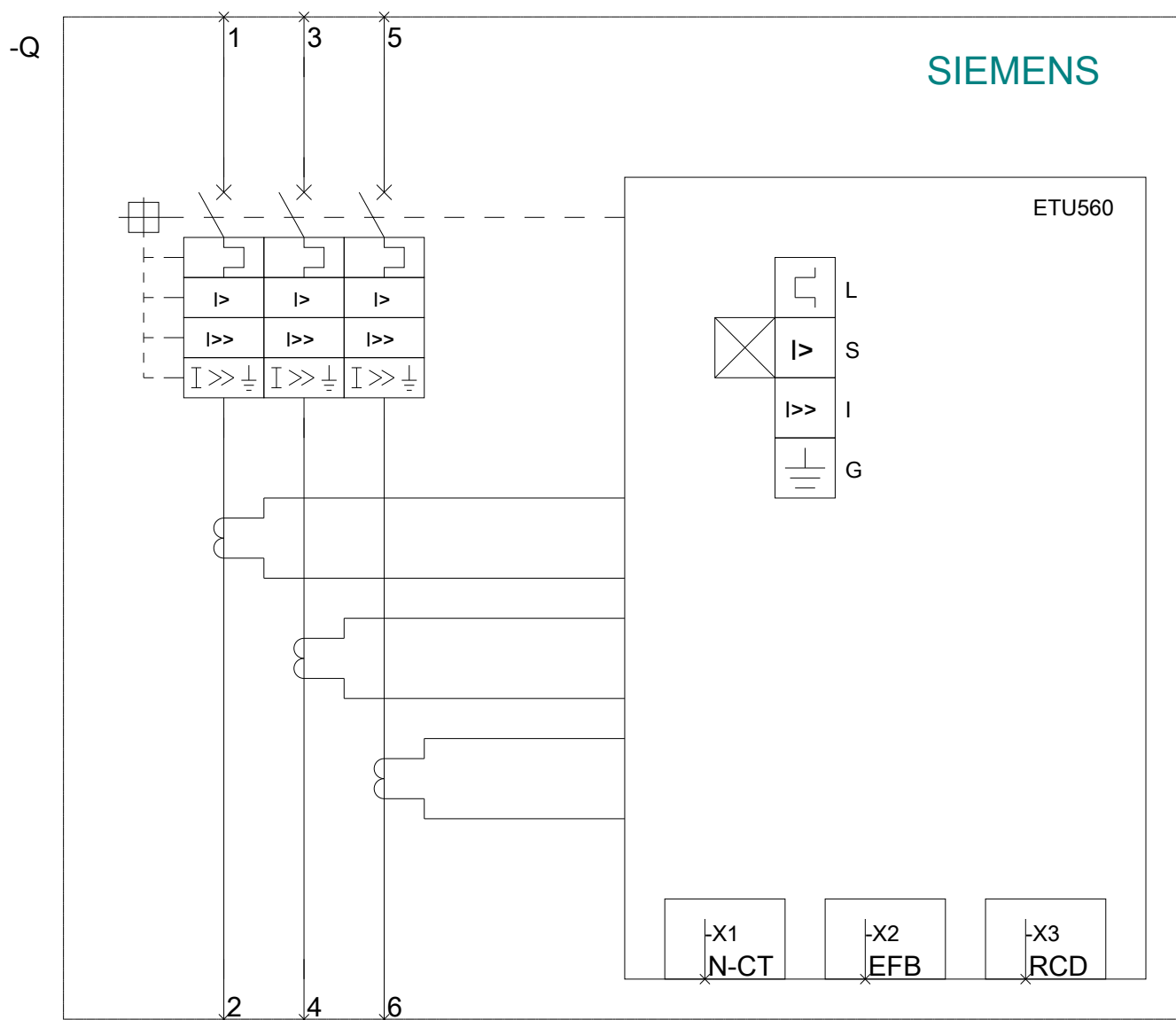
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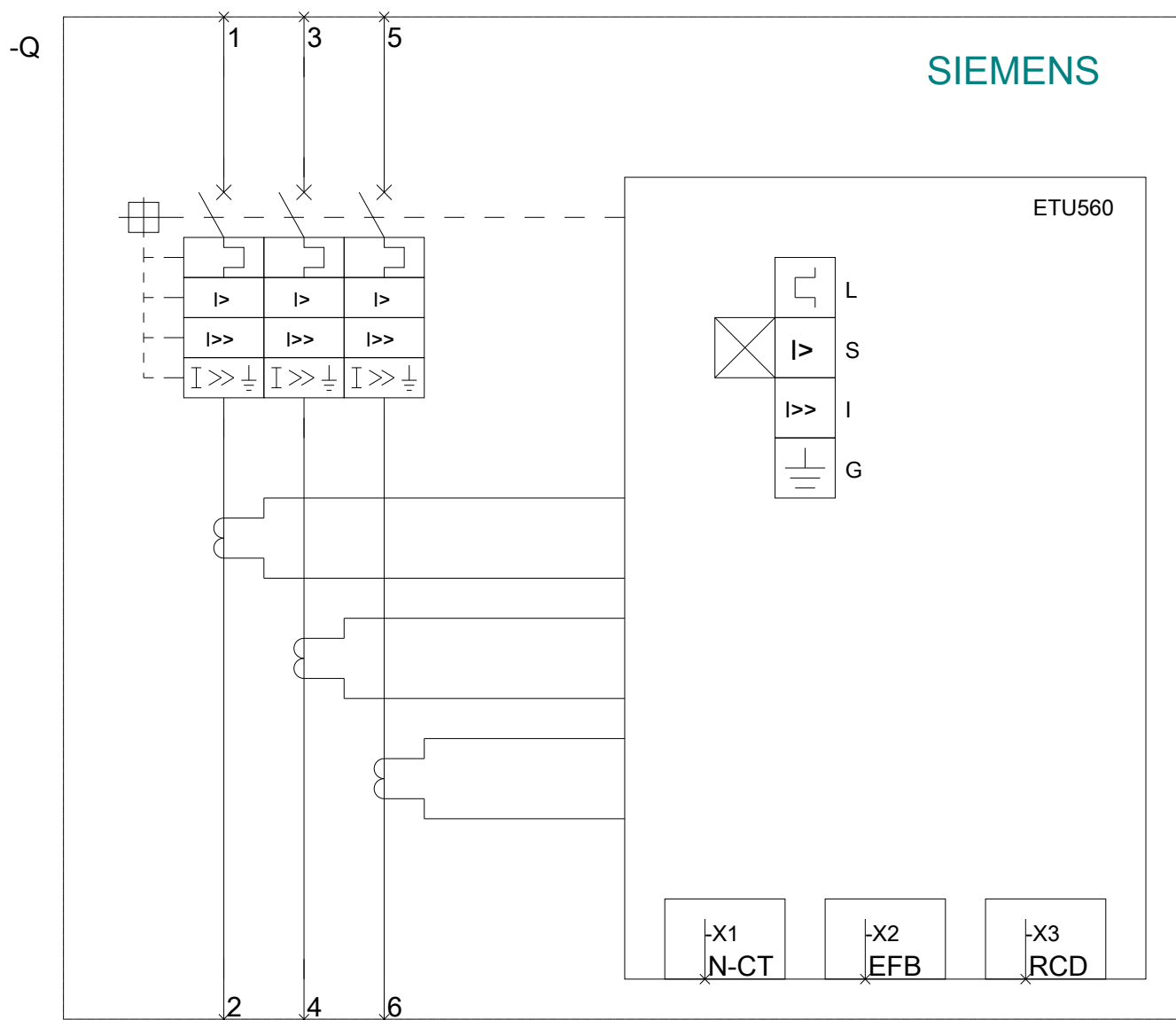
<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>







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