



Circuit breaker 3VA2 IEC Frame 100 Switching capacity class M
 $I_{cu}=55 \text{ kA @ } 415 \text{ V}$ 4-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 adjustable
 (OFF, up to 160%) Ground fault protection, can be switched off
 $I_g=0,25 \dots 1 \times I_n$ $t_g=0,05 \dots 0,8 \text{ s}$ Terminal connection

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	4

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
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	1.8 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	No
Ground fault monitoring version	Summation current formation L + N conductor

Product function	
• communication function	Yes
• other measurement function	No
Net weight	3.14 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	63 A
• at 60 °C	63 A
• at 65 °C	63 A
• at 70 °C	63 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	76 kA
• at 690 V	3 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
Design of the N-conductor protection	adjustable OFF; 40% bis 160%
Ground fault protection can be switched ON/OFF	Yes
Ground fault protection / tripping switchable / I _{2t} =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 / t _g min.	0.05 s
Adjustable response value current / I _g min.	0.8 s
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 [in]	7.1 in
Height	181 mm
Width [in]	5.5 in
Width	140 mm
Depth [in]	4.2 in
Depth	107 mm

Connections

Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	Box terminal
Type of connectable conductor cross-section, round conductor terminal, stranded	1 x (6-120 mm ²)

Auxiliary circuit

Number of CO contacts / for auxiliary contacts	0
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Accessories

Product extension / optional / motor drive	Yes
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Environmental conditions

Protection class IP / on the front	IP40
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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

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General Product Approval

EMC

Test Certificates



CCC



VDE

[Miscellaneous](#)



RCM

[Type Test Certificates/Test Report](#)

Test Certificates

[Miscellaneous](#)

[Special Test Certificate](#)



ABS



BUREAU VERITAS



GL



LRS

Shipping Approval

Shipping Approval

other

[Miscellaneous](#)



RMRS

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=3VA2063-5JQ46-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2063-5JQ46-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2063-5JQ46-0AA0

CAX-Online-Generator

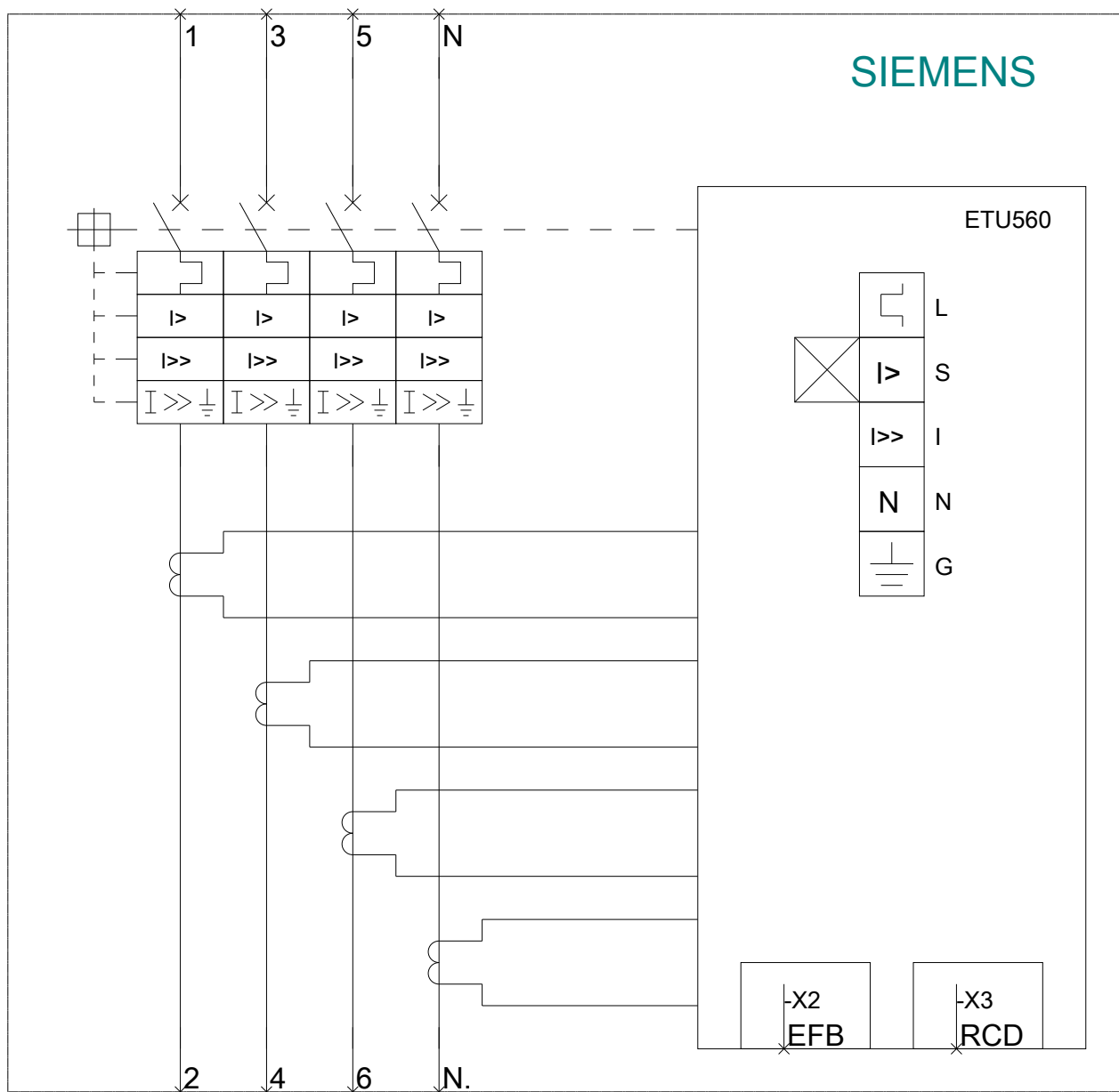
<http://www.siemens.com/cax>

Tender specifications

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

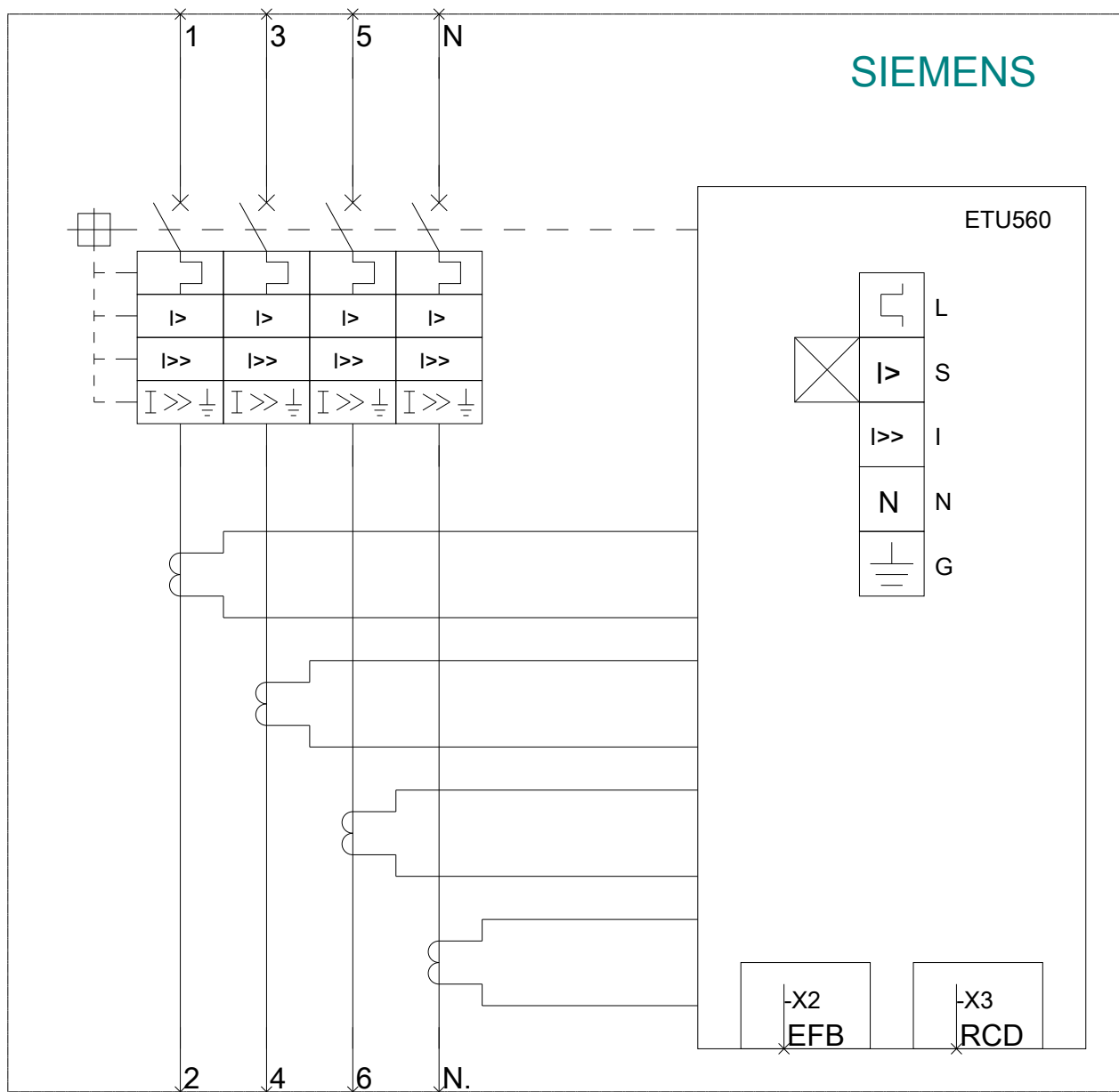
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