

circuit breaker 3VA2 IEC frame 1000 breaking capacity class H
Icu=85kA @ 415V 3-pole, line protection ETU350, LSI, In=800A
overload protection Ir=320A...800A short-circuit protection
I_{sd}=1.5...10 x I_r, I_i=12 x I_n nut keeper kit



Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Product version	Line protection
Design of the overcurrent release	ETU350
Protective function of the overcurrent release	LSI
Number of poles	3

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	135 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	45 W
Latching - endurance	10 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	5 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	4 000
Neutral conductors / upgradeable/retrofittable	No

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

Current

Max. rated operational current of the frame size	1 000 A
Rated continuous current I _u	800 A
Operating current	
• at 40 °C	800 A
• at 45 °C	800 A
• at 50 °C	800 A
• at 55 °C	800 A
• at 60 °C	800 A
• at 65 °C	767 A
• at 70 °C	703 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	H
Maximum short-circuit current breaking capacity (I _{cu})	
• at 240 V	110 kA
• at 415 V	85 kA
• at 690 V	35 kA
Operational short-circuit current breaking capacity (I _{cs})	
• at 240 V	110 kA
• at 415 V	83 kA
• at 690 V	19 kA
Short-circuit current making capacity (I _{cm})	
• at 240 V	242 kA
• at 415 V	187 kA
• at 690 V	74 kA

Adjustable parameters

Adjustable response value current / I _r min.	320 A
Adjustable response value current / I _r max.	800 A
Adjustable response value time / t _r min.	0.5
Adjustable response value time / t _r max.	17
Adjustable response value current / I _{sd} min.	1 200 A
Adjustable response value current / I _{sd} max.	8 000 A
Adjustable response value time / t _{sd} min.	0.04 s
Adjustable response value time / t _{sd} max.	0.4 s
Adjustable response value current / I _i min.	8 000 A
Adjustable response value current / I _i max.	8 000 A

Ground fault protection / tripping switchable / I2t=ON/OFF	No
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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 electrical connection / for main current circuit	Lug terminal
Type of connectable conductor cross-section, connection screw, width x thickness , min.	20 x 4

Auxiliary circuit

Number of CO contacts / for auxiliary contacts	0
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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	Declaration of Conformity
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CCC



VDE

[Miscellaneous](#)



RCM



EG-Konf.

Test Certificates	Shipping Approval	other
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[Miscellaneous](#)



LRS

[Manufacturer Declaration](#)

[Miscellaneous](#)

<http://www.siemens.com/lowvoltage/catalogs>

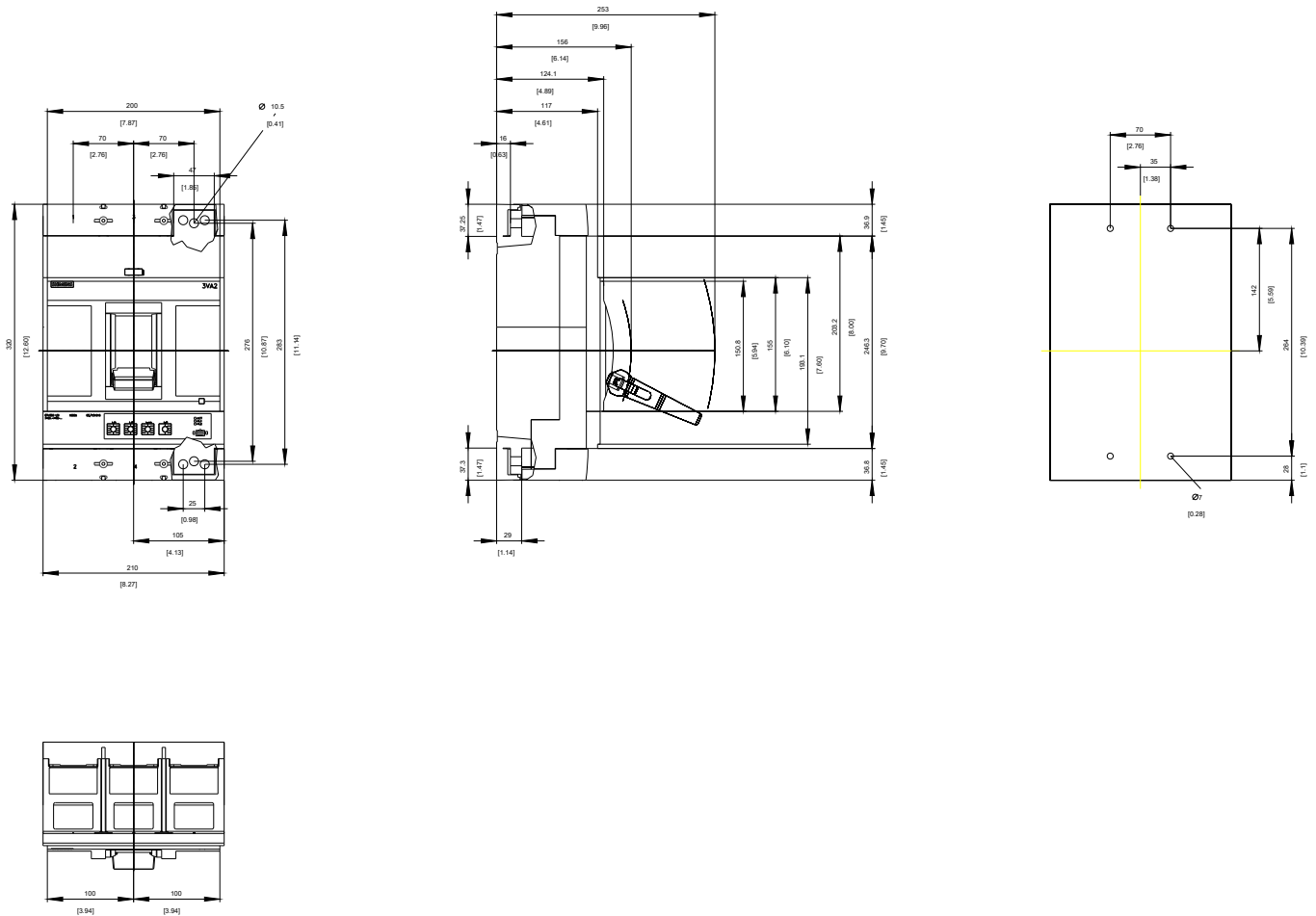
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2580-6HN32-0AA0>

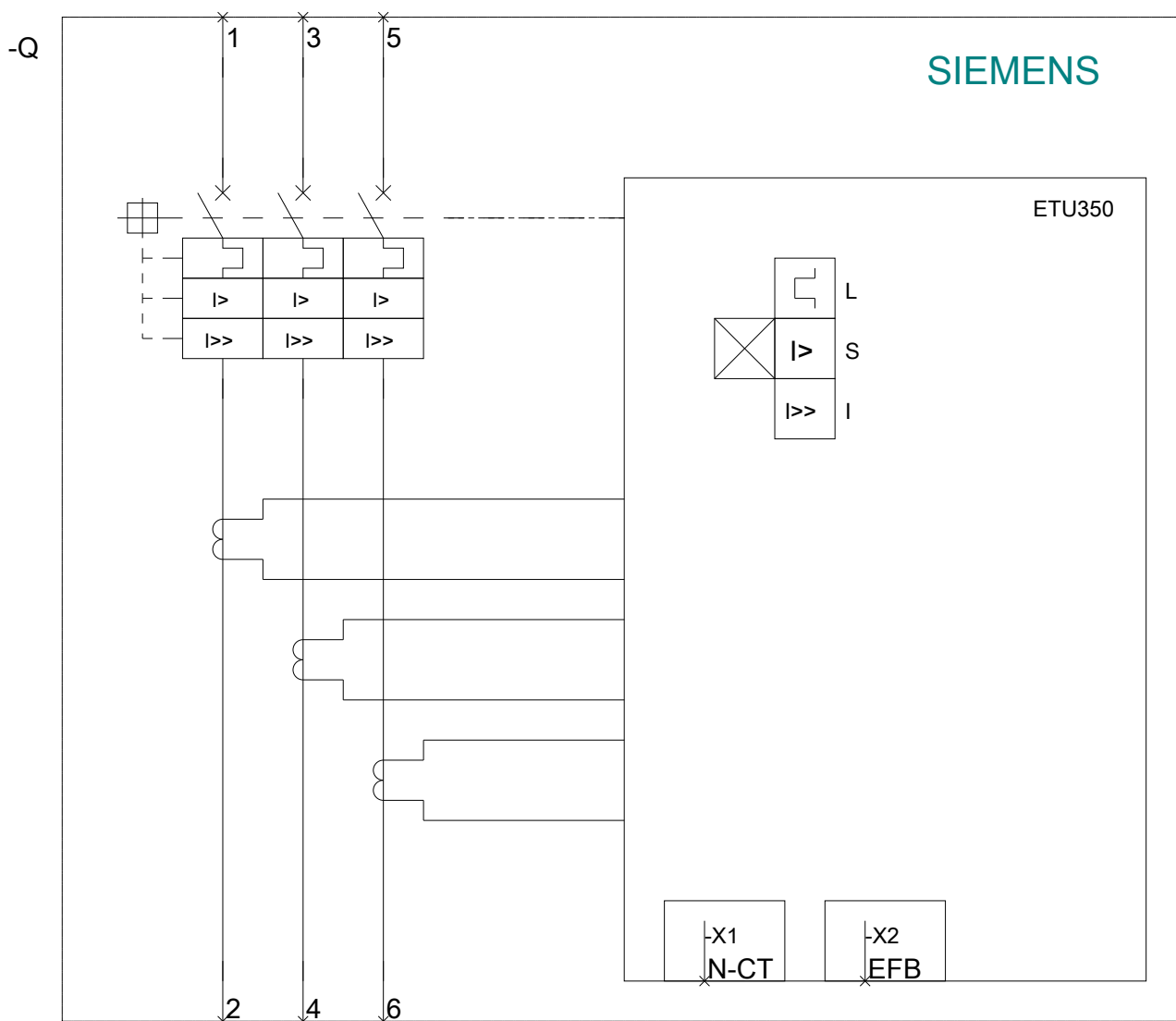
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2580-6HN32-0AA0>

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