



3VA2 - Effektbrytare, 4-polig, In=1000A, brytförmåga 85kA / 415V AC, anläggningskydd storlek 1000, ETU320 LI, Ir=400A...1000A, li=1.5...10 x In, justerbart skydd i N-pol (OFF, 50%, 100%), kabelskoanslutning

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU320
protection function of the overcurrent release	LI
number of poles	4
General technical data	
Tension assignée d'isolement Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
power loss [W] / maximum	330 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	110 W
mechanical service life (switching cycles) / typical	10 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	4 900
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	3 400
Neutral conductors / upgradeable/retrofitable	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
Courant permanent assigné Iu	1 000 A
operational current	
• at 40 °C	1 000 A
• at 45 °C	1 000 A
• at 50 °C	1 000 A
• at 55 °C	1 000 A
• at 60 °C	955 A
• at 65 °C	885 A
• at 70 °C	815 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	H
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	110 kA

<ul style="list-style-type: none"> • at 415 V • at 440 V • at 500 V • at 690 V 	85 kA 85 kA 55 kA 35 kA
breaking capacity operating short-circuit current (Ics) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	110 kA 85 kA 70 kA 55 kA 19 kA
short-circuit current making capacity (Icm) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	242 kA 187 kA 187 kA 121 kA 74 kA

Adjustable parameters	
Adjustable response value current / I _g min.	400 A
Adjustable response value current / I _g min.	1 000 A
Adjustable response value current / I _g min.	0.5
Adjustable response value current / I _g min.	17
Adjustable response value current / I _i min.	1 500 A
Adjustable response value current / I _i max.	10 000 A
design of the N-conductor protection	adjustable OFF; 50%; 100%
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	No

Mechanical Design	
height [in]	12.6 in
Height	320 mm
width [in]	11 in
Width	280 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	on both sides nut keeper kit
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

Environmental conditions	
protection class IP / on the front	IP40
ambient temperature <ul style="list-style-type: none"> • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum 	-25 °C 70 °C -40 °C 80 °C

Certificates	
reference code / acc. to IEC 81346-2	Q

General Product Approval	EMC	Declaration of Conformity
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Miscellaneous



[Miscellaneous](#)

[Miscellaneous](#)



LRS

[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)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3VA2510-6HL42-0AA0>

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

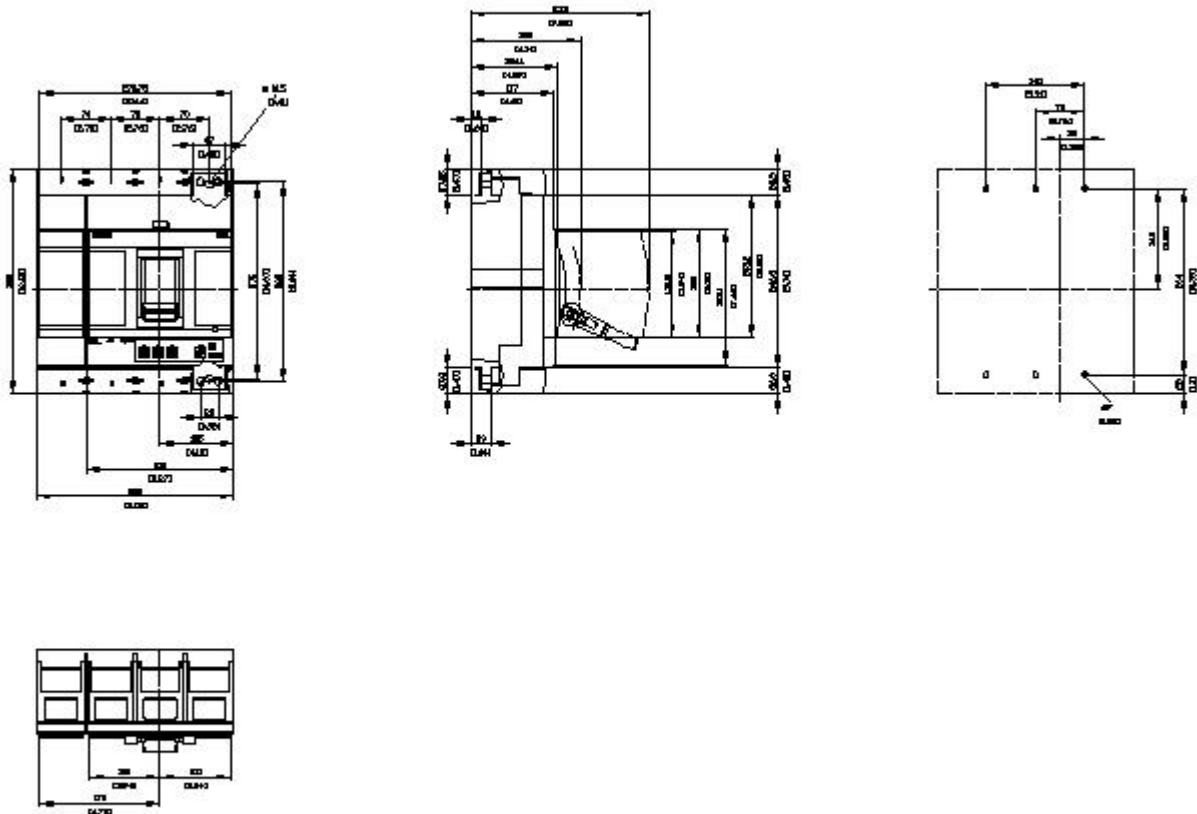
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2510-6HL42-0AA0>

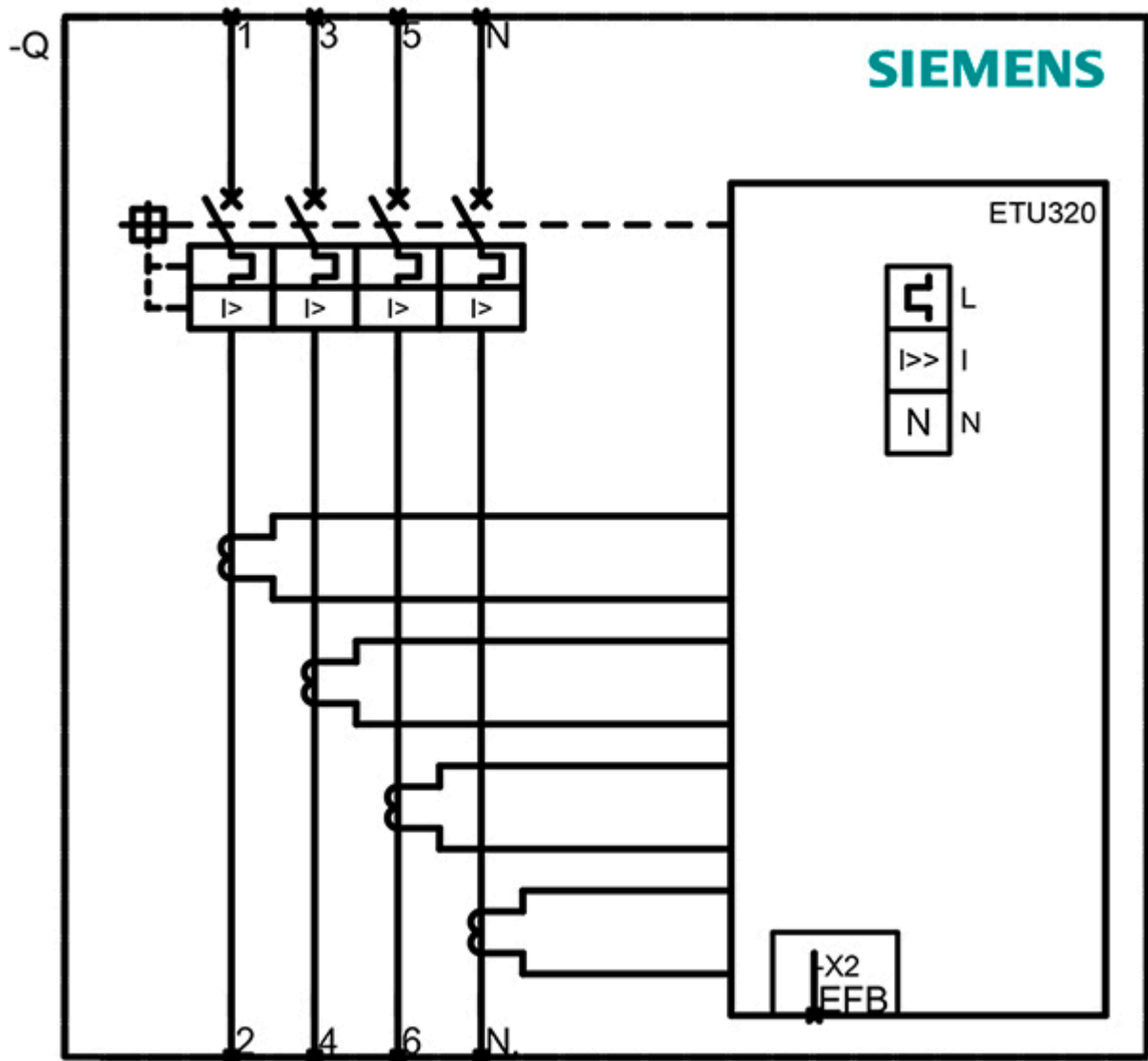
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VA2510-6HL42-0AA0

Tender specifications

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





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