



circuit breaker 3VA2 IEC frame 400 breaking capacity class H Icu=85kA @ 415V 4-pole, line protection ETU550, LSI, In=400A overload protection Ir=160A...400A short-circuit protection Isd=0.6..10x In, li=1.5..10x In N conductor protection adjustable (OFF, up to 100%) nut keeper kit

Model	
product brand name	SETRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU550
protection function of the overcurrent release	LSI
number of poles	4
General technical data	
Tension assignée d'isolement Ui	800 V
power loss [W] / maximum	96 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	32 W
mechanical service life (switching cycles) / typical	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	6 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	5 000
Neutral conductors / upgradeable/retrofitable	No
ground-fault monitoring version	Without
product function	
• communication function	Yes
• other measurement function	No
net weight	5.7 kg
Current	
operational current	
• at 40 °C	400 A
• at 45 °C	400 A
• at 50 °C	400 A
• at 55 °C	375 A
• at 60 °C	350 A
• at 65 °C	325 A
• at 70 °C	300 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
• at 415 V	85 kA
• at 440 V	85 kA

<ul style="list-style-type: none"> • at 500 V • at 690 V 	55 kA 5 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 85 kA 55 kA 5 kA	
short-circuit current making capacity (Icm) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 690 V 	242 kA 187 kA 7.5 kA	
Adjustable parameters		
Adjustable response value current / I _g min.	160 A	
Adjustable response value current / I _g min.	400 A	
Adjustable response value current / I _g min.	0.5	
Adjustable response value current / I _g min.	17	
Adjustable response value current / I _g min.	240 A	
Adjustable response value current / I _g min.	4 000 A	
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.	600 A	
Adjustable response value current / I _i max.	4 000 A	
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	No	
Mechanical Design		
height [in]	9.8 in	
Height	248 mm	
width [in]	7.2 in	
Width	184 mm	
depth [in]	4.3 in	
depth	110 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 1 mm	
Type of connectable conductor cross-section, connection screw, width x thickness , max.	35 x 10 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 <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



[Miscellaneous](#)



EG-Konf.

Test Certificates

Shipping Approval

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

[Special Test Certificate](#)



LRS

Shipping Approval

other



RMRS

[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?mlfb=3VA2340-6JP42-0AA0>

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

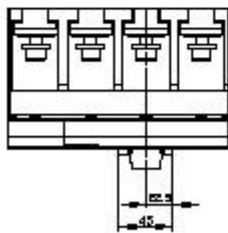
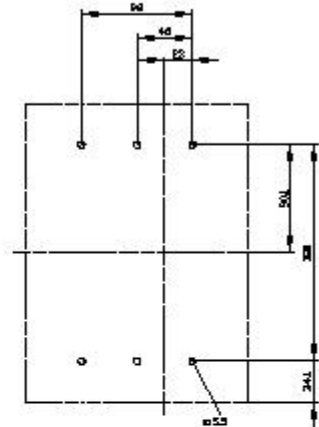
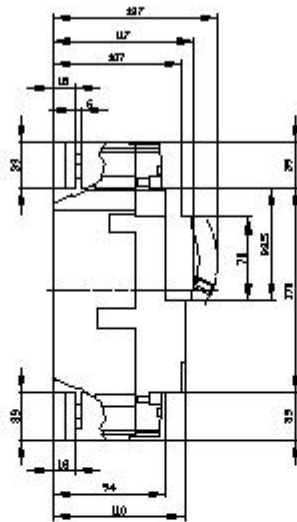
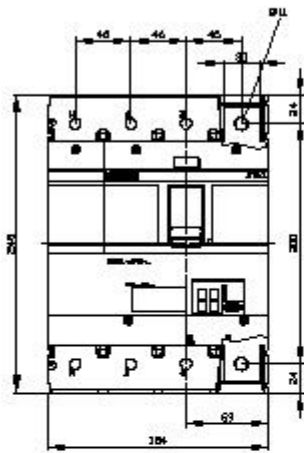
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-6JP42-0AA0>

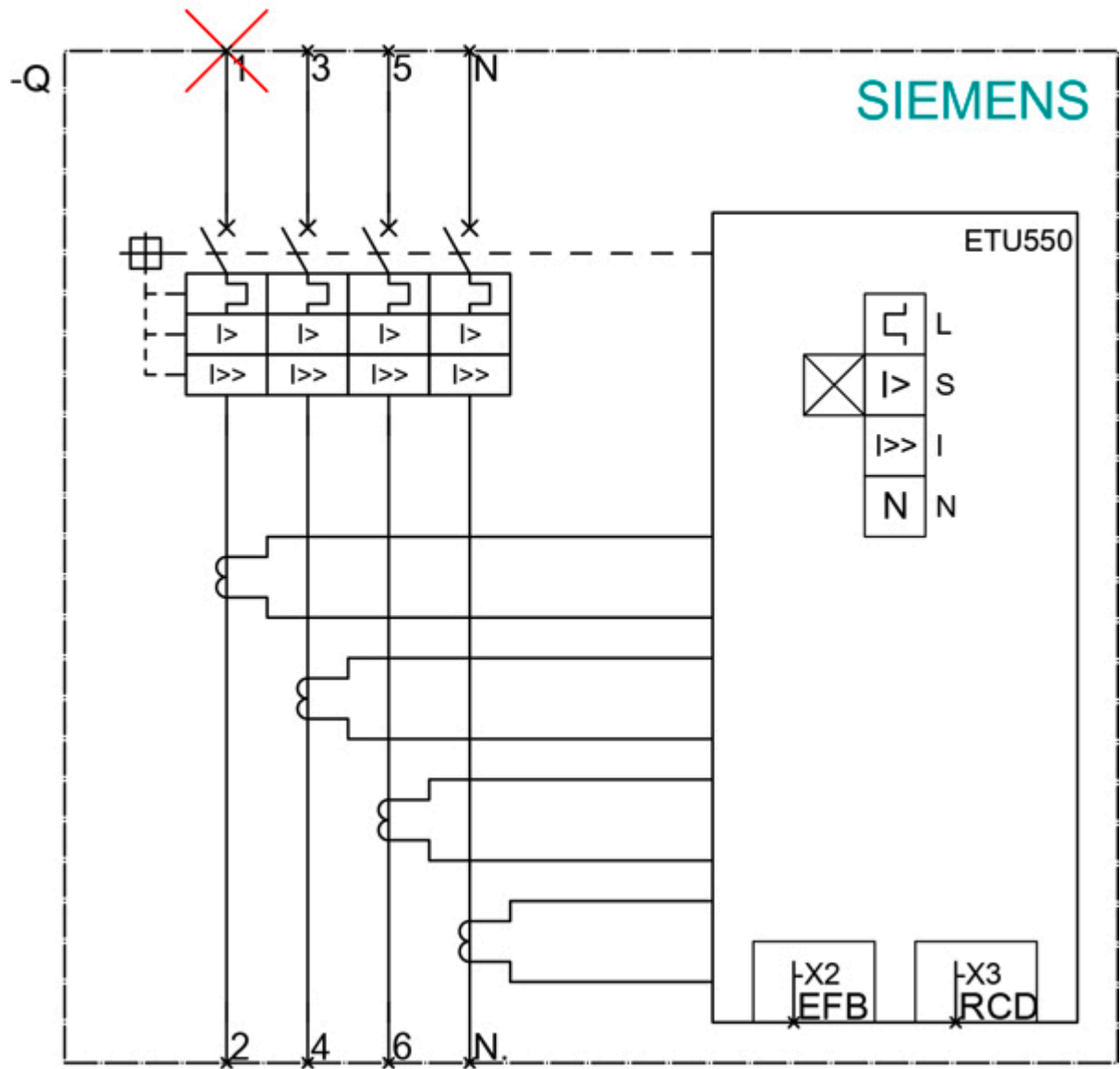
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-6JP42-0AA0

Tender specifications

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





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