



circuit breaker 3VA6 UL frame 800 breaking capacity class H 65kA @ 480 V 3-pole, line protection ETU320, LI, $I_n=800A$ overload protection $I_r=315A$...800A short circuit protection $I_i=1,5...10 \times I_n$

Model	
product brand name	SETRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HMAE
Product version	System protection
design of the load switch / acc. to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	ETU320
protection function of the overcurrent release	LI
number of poles	3
General technical data	
rated insulation voltage U_i	800 V
power loss [W] / maximum	231 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	77 W
mechanical service life (switching cycles) / typical	10 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	5 800
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	4 000
electrical endurance (switching cycles) / at 480 V	5 800
electrical endurance (switching cycles) / at 600 V	4 000
Neutral conductors / upgradeable/retrofitable	No
ground-fault monitoring version	Without
product function	
• communication function	No
• other measurement function	No
Net Weight	14,482 kg
Current	
marking / acc. to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	0 A
• at 45 °C	0 A
• at 50 °C	0 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	H
breaking capacity maximum short-circuit current (I_{cu})	
• at 240 V	110 kA
• at 415 V	85 kA

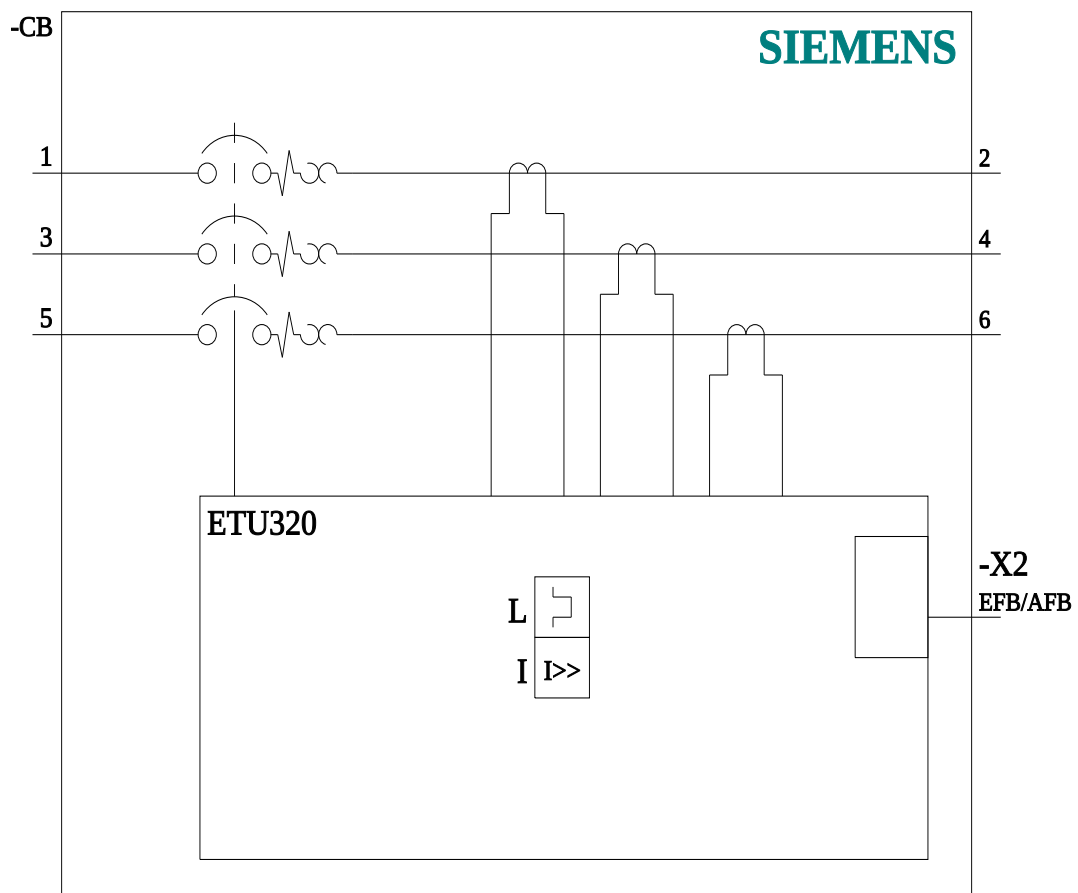
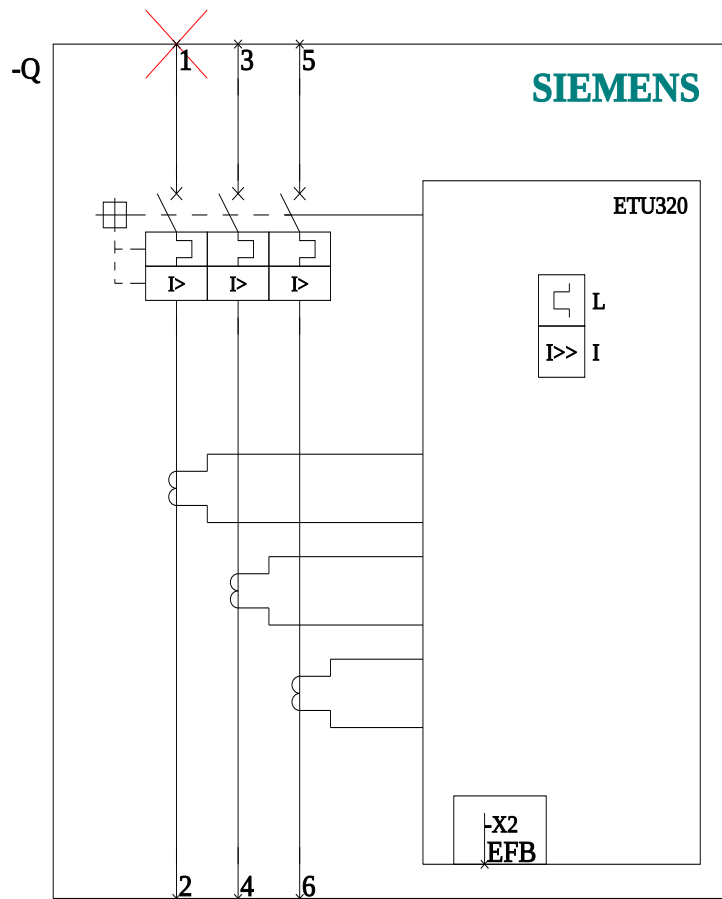
• at 690 V	35 kA
breaking capacity operating short-circuit current (Ics)	
• at 240 V • at 415 V • at 690 V	110 kA 85 kA 19 kA
short-circuit current making capacity (Icm)	
• at 240 V • at 415 V • at 690 V	242 kA 187 kA 74 kA
Switching capacity according to UL 489	
breaking capacity current	
• at 240 V • at 480 V • at 600 V	150 kA 65 kA 35 kA
Adjustable parameters	
Adjustable response value current / I _g min.	0.5 s
Adjustable response value current / I _g min.	17 s
Adjustable response value current / I _i min.	1 200 A
Adjustable response value current / I _i max.	8 000 A
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	No
Mechanical Design	
height [in]	12.91 in
Height	328 mm
width [in]	8.27 in
Width	210 mm
depth [in]	4.72 in
depth	120 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front connection
Auxiliary circuit	
product component	
• undervoltage release • voltage trigger • trip indicator	No No No
number of CO contacts / for auxiliary contacts	0
Environmental conditions	
protection class IP / on the front	IP40
ambient temperature	
• 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
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes
General Product Approval	
EMC	



[Miscellaneous](#)



Declaration of Conformity	Marine / Shipping	other
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