

circuit breaker 3VA1 IEC frame 400 breaking capacity class M
Icu=55kA @ 415V 3-pole, line protection TM240, ATAM, In=320A
overload protection Ir=224A...320A short-circuit protection Ii=5...10 x
In nut keeper kit



Model	
Product brand name	SETRON
Product designation	Molded case circuit breaker
Design of the product	Line protection
Design of the overcurrent release	TM240
Protective function of the overcurrent release	LI
Number of poles	3

General technical data	
Tension assignée d'isolement Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Max. rated operational voltage Ue with DC	500 V
Active power loss / for rated value of the current / at AC / in hot operating state / per device	80.1 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	26.7 W
Mechanical service life (switching cycles) / typical	15 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	6 000
Neutral conductors / upgradeable/retrofittable	No

Ground fault monitoring version	Without
Product function	
• communication function	No
• other measurement function	No
Net weight	3.9 kg

Electricity

Max. rated operational voltage of the size of the circuit-breaker	400 A
Courant permanent assigné Iu	320 A
Operating current	
• at 40 °C	320 A
• at 45 °C	320 A
• at 50 °C	320 A
• at 55 °C	313 A
• at 60 °C	306 A
• at 65 °C	299 A
• at 70 °C	292 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 690 V	7 kA
Operational short-circuit current breaking capacity (Ics)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 690 V	5 kA
Short-circuit current making capacity (Icm)	
• at 240 V	187 kA
• at 415 V	121 kA
• at 690 V	11.9 kA

Adjustable parameters

Adjustable response value current / I _g min.	224 A
Adjustable response value current / I _g min.	320 A
Adjustable response value current / I _i min.	1 600 A
Adjustable response value current / I _i max.	3 200 A
Design of the N-conductor protection	Without
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	No

Mechanical Design

Height [in]	9.8 in
Height	248 mm
Width [in]	5.4 in
Width	138 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	lug terminal

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	
• 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

General Product Approval	EMC	Declaration of Conformity	Test Certificates
 Miscellaneous			 Miscellaneous

other
Miscellaneous

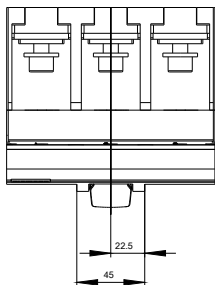
Further information
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1332-5EF32-0AA0

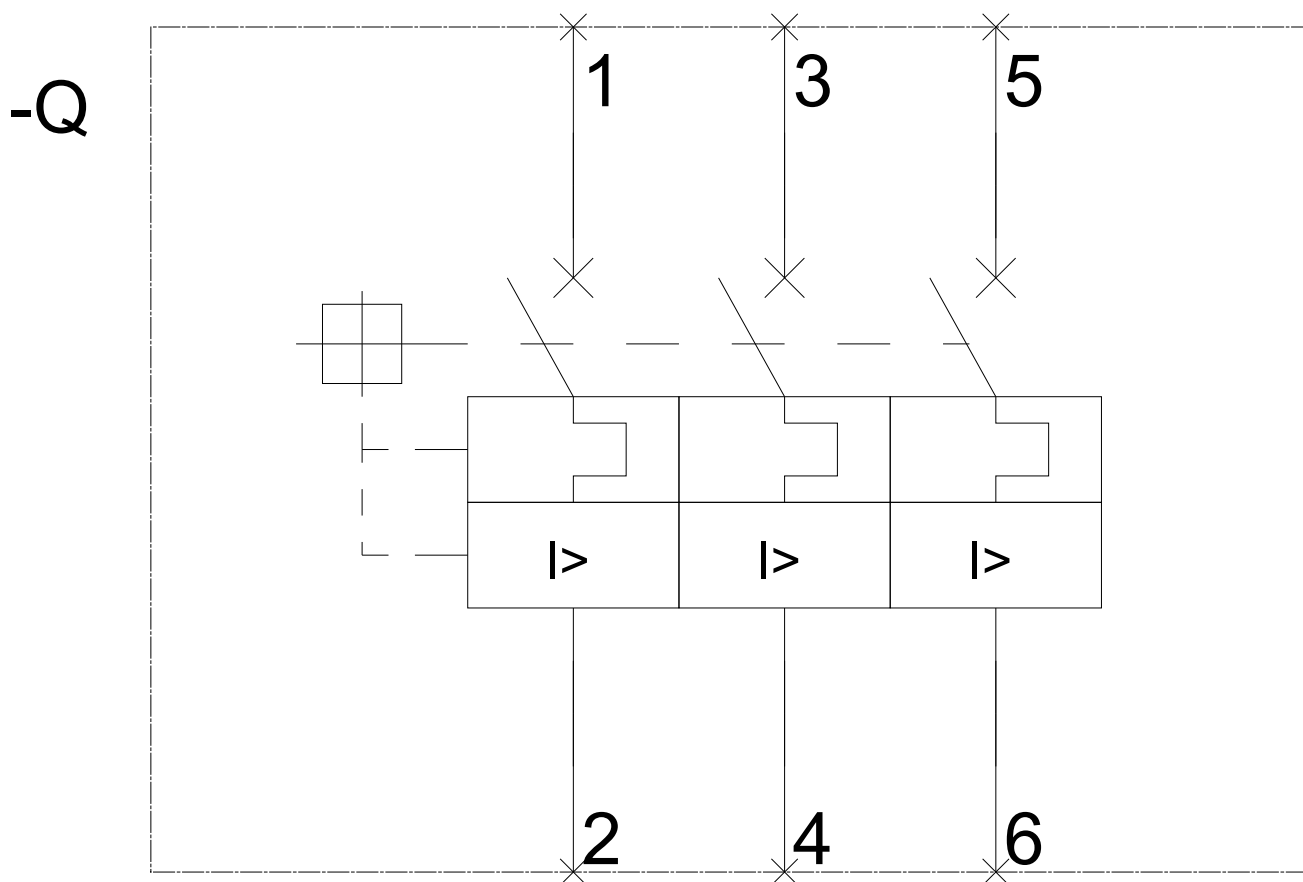
For more information, please visit our website:
<https://support.industry.siemens.com/cs/ww/en/ps/3VA1332-5EF32-0AA0>

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1332-5EF32-0AA0

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

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