



circuit breaker 3VA1 IEC frame 400 breaking capacity class C
Icu=110kA @ 415 V 3-pole, line protection TM240, ATAM, In=400A
overload protection Ir=280A ...400A short-circuit protection Ii=5...10 x
In nut keeper kit

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

General technical data	
Rated insulation voltage Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Max. rated operational voltage Ue with DC	500 V
Power loss [W] / maximum	92.1 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	30.7 W
Latching - endurance	15 000
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	6 000

Neutral conductors / upgradeable/retrofitable	No
Ground fault monitoring version	Without
Product function	
• communication function	No
• other measurement function	No

Electricity

Max. rated operational voltage of the size of the circuit-breaker	400 A
Rated continuous current I _u	400 A
Operating current	
• at 40 °C	400 A
• at 45 °C	400 A
• at 50 °C	400 A
• at 55 °C	392 A
• at 60 °C	384 A
• at 65 °C	376 A
• at 70 °C	367 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	C
Maximum short-circuit current breaking capacity (I _{cu})	
• at 240 V	200 kA
• at 415 V	110 kA
• at 690 V	10 kA
Operational short-circuit current breaking capacity (I _{cs})	
• at 240 V	200 kA
• at 415 V	110 kA
• at 690 V	6 kA
Short-circuit current making capacity (I _{cm})	
• at 240 V	440 kA
• at 415 V	242 kA
• at 690 V	17 kA

Adjustable parameters

Adjustable response value current / I _r min.	280 A
Adjustable response value current / I _r max.	400 A
Adjustable response value current / I _i min.	2 000 A
Adjustable response value current / I _i max.	4 000 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
 CCC	 EAC	 RCM	 EG-Konf.

[Miscellaneous](#)

[Miscellaneous](#)

Shipping Approval	other
-------------------	-------



LRS

[Manufacturer Declaration](#)

[Miscellaneous](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

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

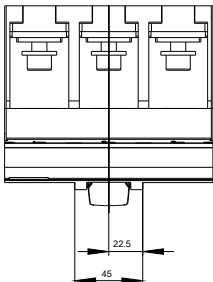
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1340-7EF32-0AA0>

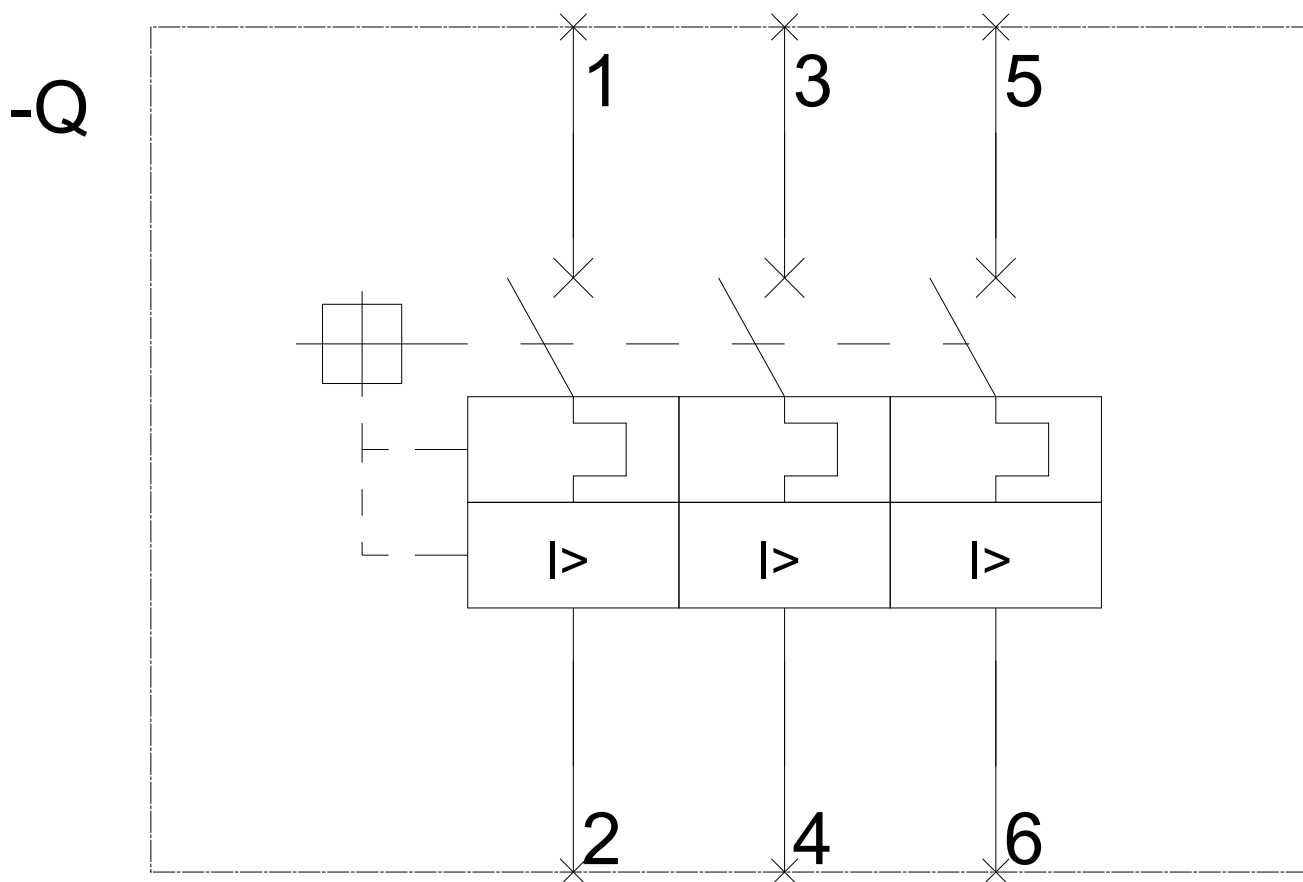
<https://support.industry.siemens.com/cs/ww/en/ps/3VA1340-7EF32-0AA0>

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1340-7EF32-0AA0

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

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





last modified:

01/23/2019