

circuit breaker 3VA1 IEC frame 400 breaking capacity class H
Icu=70kA @ 415V 3-pole, starter protection TM120M, AM, In=320A
without overload protection short-circuit protection li=8...16 x In nut
keeper kit



Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Product version	Starter protection
Design of the overcurrent release	TM120M
Protective function of the overcurrent release	I
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
Power loss [W] / maximum	49.2 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	16.4 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
• Phase failure detection	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 lu	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	H
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V	100 kA
• at 415 V	70 kA
• at 690 V	10 kA
Operational short-circuit current breaking capacity (Ics)	
• at 240 V	100 kA
• at 415 V	70 kA
• at 690 V	6 kA
Short-circuit current making capacity (Icm)	
• at 240 V	220 kA
• at 415 V	154 kA
• at 690 V	17 kA

Adjustable parameters

Adjustable response value current / li min.	2 240 A
Adjustable response value current / li max.	4 480 A
Ground fault protection can be switched ON/OFF	No
Ground fault protection / tripping switchable / I2t=ON/OFF	No

Mechanical Design

Height [in]	9.8 in
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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
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Accessories

Product extension / optional / motor drive	Yes
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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
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General Product Approval	EMC	Test Certificates	Shipping Approval
 Miscellaneous   Miscellaneous		 LRS	

other

[Confirmation](#)

[Miscellaneous](#)

Further information

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

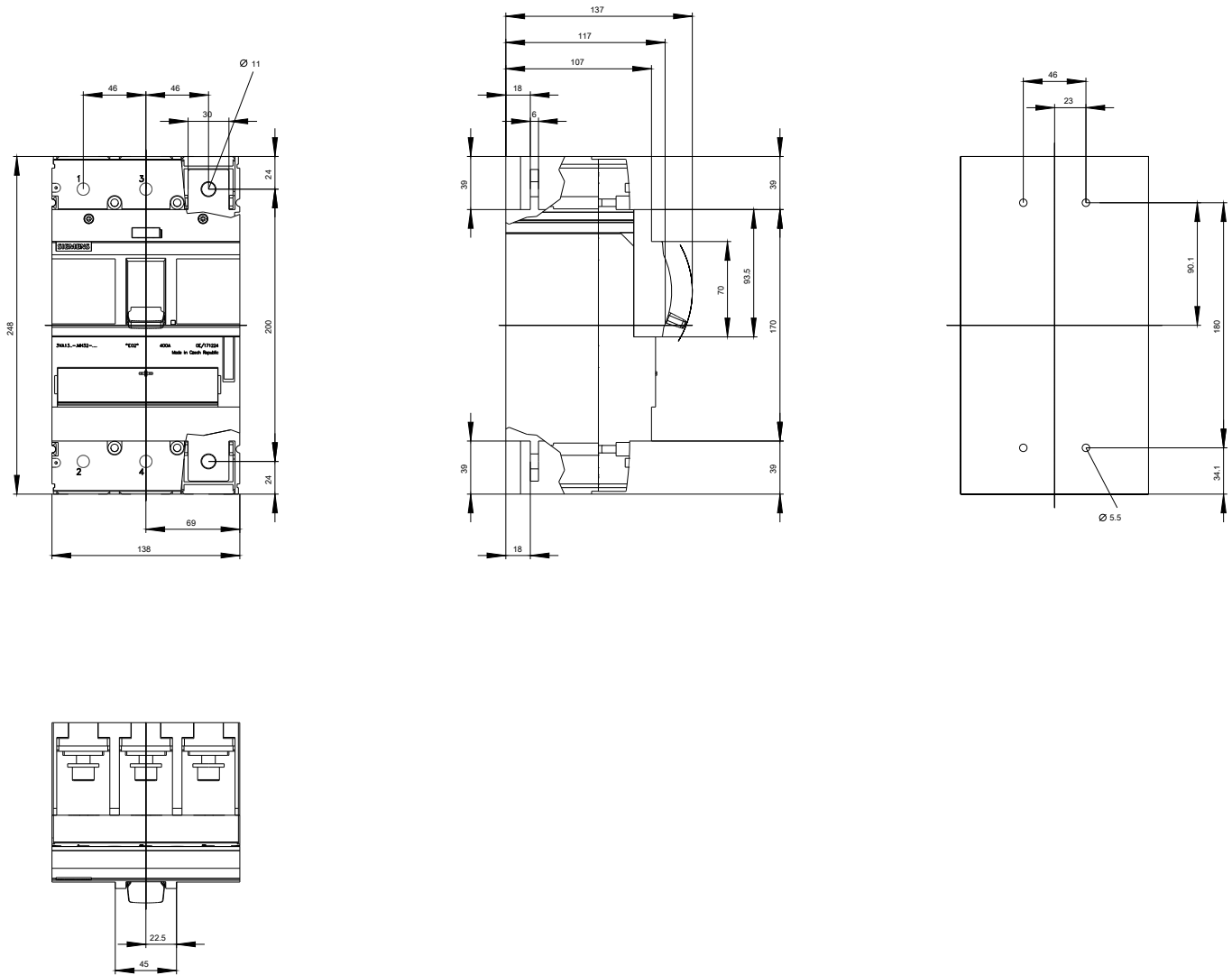
<http://www.siemens.com/lowvoltage/catalogs>

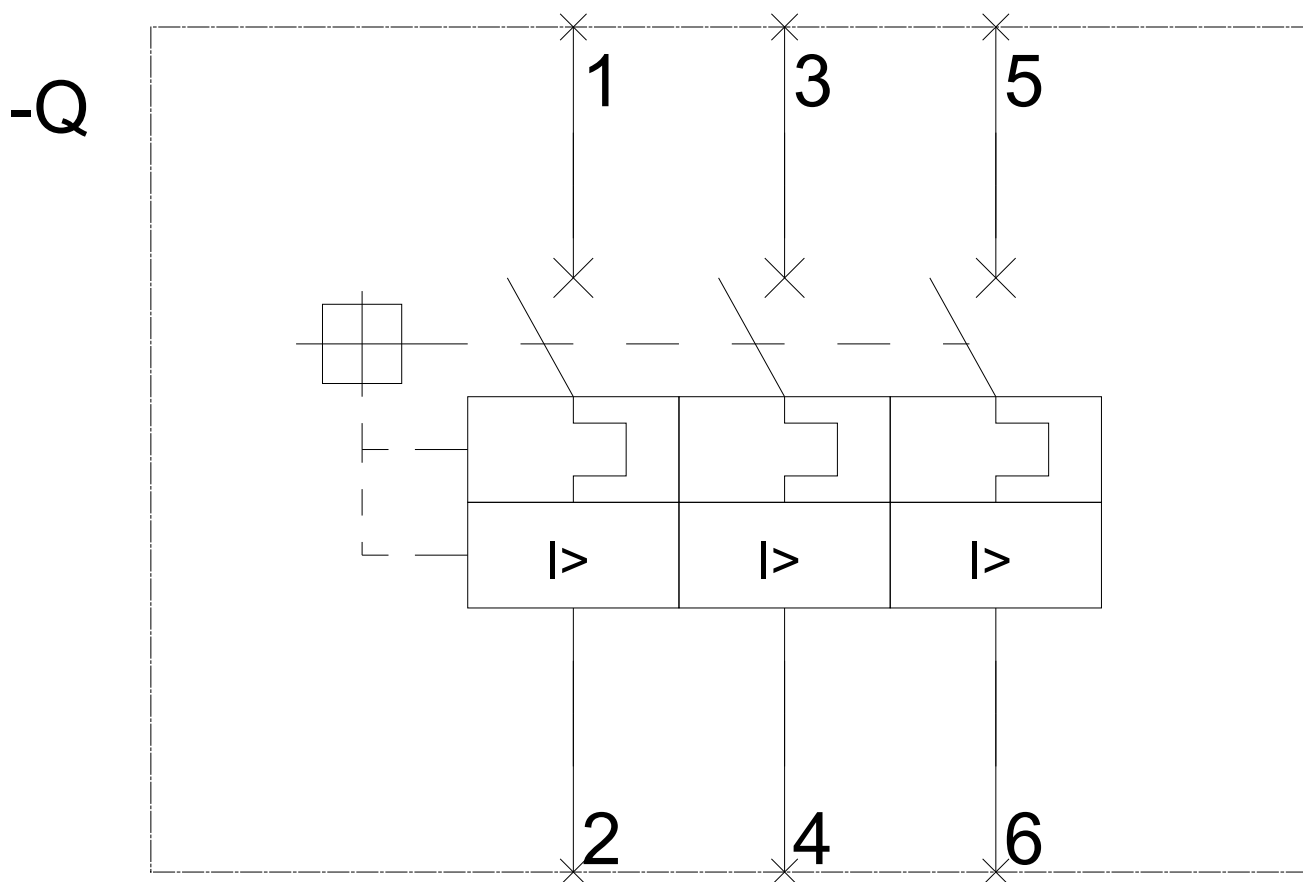
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1332-6MH32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1332-6MH32-0AA0>





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