3VA5191-1MH31-0AA0

## **Data sheet**



circuit breaker 3VA5 UL frame 125 3-pole, starter protection TM120M, AM, In=10A without overload protection short-circuit protection li=5...12 x In without connection

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HEAP
Product version	Starter 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	TM110M
protection function of the overcurrent release	T
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	6.2 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	2.07 W
mechanical service life (switching cycles) / typical	15 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	8 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	4 000
electrical endurance (switching cycles) / at 480 V	8 000
electrical endurance (switching cycles) / at 600 V	4 000
Neutral conductors / upgradeable/retrofittable	No
ground-fault monitoring version	Without
product function	
<ul> <li>communication function</li> </ul>	No
<ul> <li>phase failure detection</li> </ul>	No
<ul> <li>other measurement function</li> </ul>	No
Current	
marking / acc. to UL 489 / 100%-rated breaker	No
Max. rated operational current of the frame size	125 A
Courant permanent assigné lu	10 A
operational current	
● at 40 °C	10 A
● at 45 °C	10 A
● at 50 °C	10 A
● at 55 °C	10 A

40.4
10 A
10 A
10 A
45014
150 kA
70 kA
10 kA
150 kA
70 kA
5 kA
3 M
330 kA
154 kA
17 kA
50 A
120 A
No
5.5 in
140 mm
3 in
76.2 mm
3 in
76.5 mm
Without connection
Without
0
Yes
IP40
-25 °C
70 °C
-40 °C
80 °C
80 C
80 C
Q Q









Miscellaneous







**Miscellaneous** 

Special Test Certificate





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=3VA5191-1MH31-0AA0

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

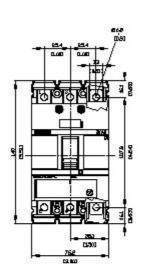
https://support.industry.siemens.com/cs/ww/en/ps/3VA5191-1MH31-0AA0

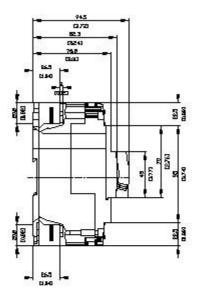
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

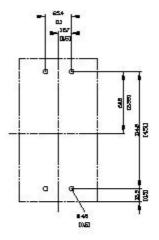
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA5191-1MH31-0AA0

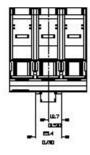
**Tender specifications** 

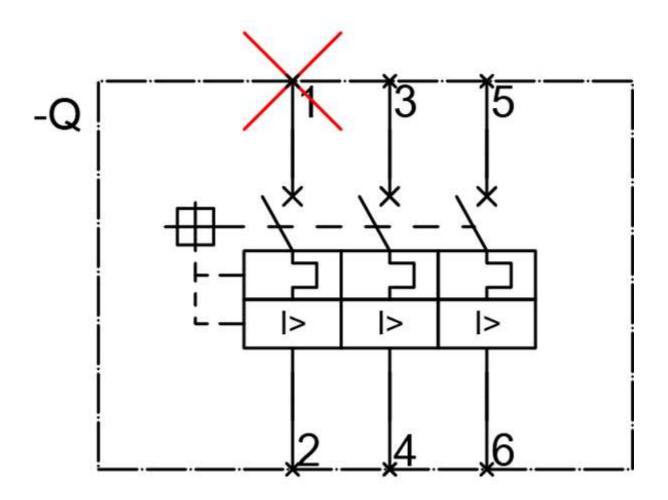
http://www.siemens.com/specifications

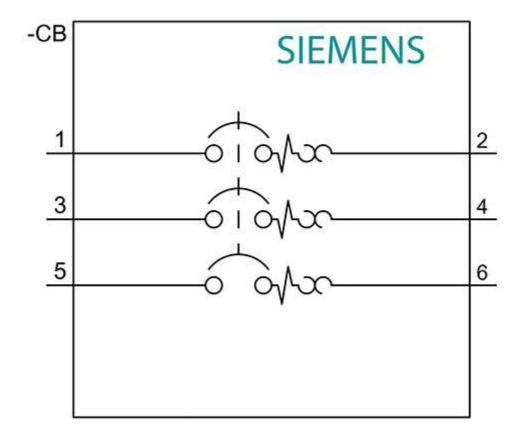












last modified: 12/20/2020 🖸