SIEMENS

Data sheet

3VA5290-6ED31-1AA0

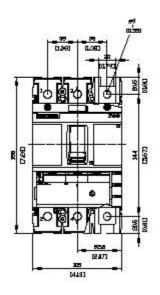


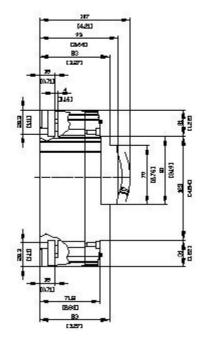
circuit breaker 3VA5 UL frame 250 breaking capacity class H 65kA @ 480V 3-pole, line protection TM210, FTFM, In=90A overload protection Ir=90A fixed short-circuit protection Ii=10 x In UL 489 SB (naval), 50 °C without connection

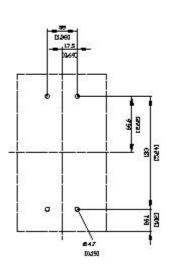
Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HFAM
Product version	System protection
design of the load switch / acc. to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	TM210
protection function of the overcurrent release	LI
number of poles	3
General technical data	
power loss [W] / maximum	24.6 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	8.2 W
mechanical service life (switching cycles) / typical	20 000
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	
 communication function 	No
 other measurement function 	No
Current	
marking / acc. to UL 489 / 100%-rated breaker	No
Max. rated operational current of the frame size	250 A
Courant permanent assigné lu	90 A
operational current	
• at 40 °C	90 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
design of short-circuit protection	For switching power values in DC networks, see the 3VA molded case circuit breaker device manual; link to be found under Service & Support in the last chapter
Switching capacity according to UL 489	

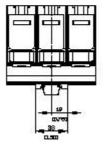
Without 0 Yes IP40 -25 °C 70 °C -40 °C 80 °C Q Yes Miscellaneous ERIC ERIC other Miscellaneous
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0 Yes IP40 -25 °C 70 °C -40 °C
0 Yes IP40 -25 °C 70 °C -40 °C
0 Yes IP40 -25 °C 70 °C
0 Yes IP40
0 Yes
0 Yes
0
0
Without
Without
Without connection
83 mm
3.3 in
105 mm
4.1 in
185 mm
7.3 in
No
900 A 900 A
90 A 900 A
90 A
25 kA
65 kA
100 kA

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=3VA5290-6ED31-1AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA5290-6ED31-1AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5290-6ED31-1AA0 Tender specifications http://www.siemens.com/specifications









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