SIEMENS

Data sheet

3VM1140-4GE42-0AA0



circuit breaker 3VM1 IEC frame 160 breaking capacity class S Icu=36kA @ 415V 4-pole, line protection TM220, ATFM, In=40A overload protection Ir=28A...40A short-circuit protection Ii=10 x In N conductor protection 100% nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	TM220
protection function of the overcurrent release	LI
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / at 50/60 Hz / rated value	500 V
operating voltage / at DC / rated value	500 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	11 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.6 W
mechanical service life (operating cycles) / typical	15 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
 communication function 	No
 other measurement function 	No
Net Weight	1.2 kg
Current	
operational current	
• at 40 °C	40 A
● at 45 °C	40 A
• at 50 °C	40 A
• at 55 °C	39 A
• at 60 °C	39 A
• at 65 °C	38 A
• at 70 °C	37 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	S
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	55 kA
• at 415 V	36 kA
• at 440 V	25 kA
• at 500 V	7 KA
operating short-circuit current breaking capacity (Ics)	

• at 240 V	41 kA
• at 415 V	27 kA
• at 440 V	18 kA
• at 500 V	5 kA
short-circuit current making capacity (Icm)	
• at 240 V	121 kA
• at 415 V	76 kA
• at 440 V	53 kA
• at 500 V	12 kA
design of short-circuit protection	For switching capacity values in DC power systems, see the 3VA Molded Case Circuit Breaker Manual; link available under Service & Support in the last chapter

No
28 A
40 A
1 s
1 s
400 A
400 A
40 A
40 A
400 A
100%
No
No
No
No
5.12 in
130 mm
4 in
101.6 mm
2.76 in
70 mm
Front connection
nut keeper kit on both ends
12 x 1 mm
17 x 6.5 mm
Silver
Tin
0
No
IP40

 during operation 	/ maximum	70 °C	2		
 during storage / r 	ninimum	-40 °	С		
 during storage / r 	naximum	80 °C	2		
Approvals / Certificates					
General Product Appr	oval				
CE EG-Konf.		UK CA	<u>Confirmation</u>	UDE VDE	Miscellaneous
General Product Approval	Test Certificates	Marine / Shipping			
EHC	<u>Miscellaneous</u>	ABS	BUREAU VERITAS		Llovds Register us
Marine / Shipping	other		Environment		
KARS	<u>Miscellaneous</u>	<u>Confirmation</u>	Environmental Con- firmations	Environmental Con- firmations	

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

http://www.siemens.com/lowvoltage/ atalo

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VM1140-4GE42-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VM1140-4GE42-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VM1140-4GE42-0AA0

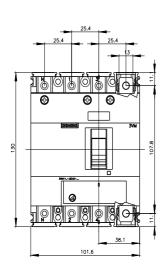
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb

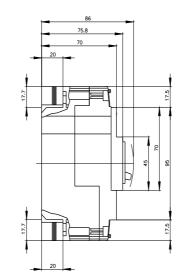
CAx-Online-Generator

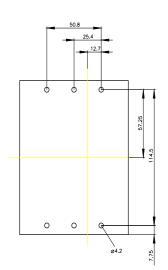
http://www.siemens.com/cax

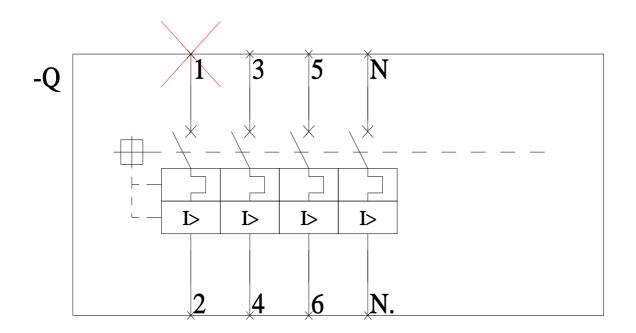
Tender specifications

http://www.siemens.com/specifications









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