Data sheet

3VM1116-3GE42-0AA0



circuit breaker 3VM1 IEC frame 160 breaking capacity class N Icu=25kA @ 415V 4-pole, line protection TM220, ATFM, In=160A overload protection Ir=112A...160A 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	38 W	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	12.67 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	1.287 kg	
Current		
operational current		
• at 40 °C	160 A	
• at 45 °C	160 A	
• at 50 °C	160 A	
● at 55 °C	158 A	
• at 60 °C	155 A	
• at 65 °C	153 A	
• at 70 °C	150 A	
Switching capacity according to IEC 60947		
switching capacity class of the circuit breaker	N	
maximum short-circuit current breaking capacity (Icu)		
• at 240 V	36 kA	
• at 415 V	25 kA	
● at 440 V	16 kA	
● at 500 V	7 kA	
operating short-circuit current breaking capacity (Ics)		

e at 440 V 9 18 kA 9 1415 V 18 kA 9		
and 440 V after discust current making capacity (form) and 420 V and 430 V and 440 V at 55 NA and 440 V at 600 V design of short-circuit protection Solidation parameters product feature / for L-tripping / can be switched on/off adjustable parameters product feature / for L-tripping / can be switched on/off adjustable perameters product feature / for L-tripping / can be switched on/off adjustable response value delay time (f) / of the L-trip / with 12 characteristic animum	• at 240 V	27 kA
• at 200 V • of 45V • of 55VA	● at 415 V	18 kA
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	- daming operations minimum	-0

• during operation / maximum

• during storage / minimum

• during storage / maximum

70 °C -40 °C

80 °C

Approvals / Certificates

General Product Approval





Confirmation





<u>Miscellaneous</u>

General Product Approval

Test Certificates

Marine / Shipping



Miscellaneous









Marine / Shipping

other

Environment



Confirmation

Miscellaneous

Environmental Confirmations

Further information

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VM1116-3GE42-0AA0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3VM1116-3GE42-0AA0

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

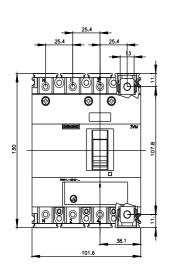
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VM1116-3GE42-0AA0

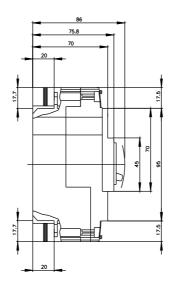
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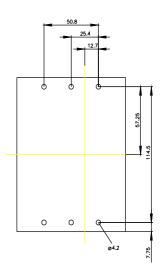
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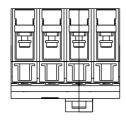
Tender specifications

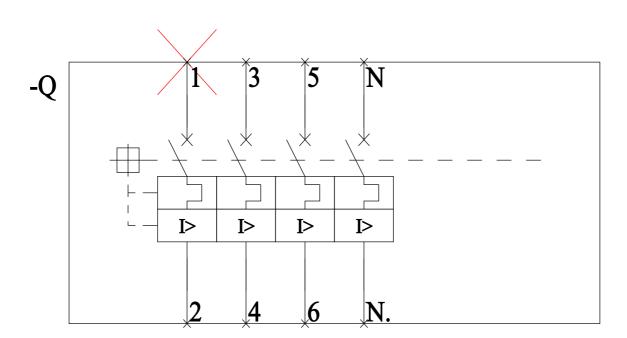
http://www.siemens.com/specifications











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