3VM1140-3EE32-0AA0

Data sheet



circuit breaker 3VM1 IEC frame 160 breaking capacity class N Icu=25kA @ 415V 3-pole, line protection TM220, ATFM, In=40A overload protection Ir=28A...40A short-circuit protection Ii=10 x In 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	Ш
number of poles	3
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	916 g
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	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 (lcs)	

al 440 V al 445 V al 440 V blood-circuit current making capacity (tern) al 420 V 5 kA al 440 V 32 kA al 440 V 32 kA al 440 V 32 kA al 440 V 33 kA al 440 V 32 kA besting of short-circuit protection design of short-circuit protection For switching capacity values in DC power systems, see the 3VA Moided Co Croze Breaker Manual, link available under Service & Support in the last Chapter Adjustable parameters product feature / for 1-tipping / can be switched ontelf adjustable response value setting current (ir) / of the 1-tip / with tx characteristic - minimum - maximum 1 s - maximum 1 s - maximum 400 A - maximum 0 adjustable setting current (in) / for N-tripping - minimum - maximum 0 adjustable setting current (in) / for N-tripping - minimum - maximum 0 adjustable setting current (in) / for N-tripping - minimum - maximum 0 A - m		
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at 1500 V short-cruit current making capacity (fcm) at 240 V at 415 V 32 kA 32 kA 31 500 V 12 kA 32 kA 32 kA 32 kA 32 kA 33 kA 34 to 1500 V 32 kA 34 to 1500 V 35 kA 36 to 1500 V 36 to 1500 V 36 to 1500 V 37 kA 36 to 1500 V 38 kA 39 to 1500 V 39 kA 30 to 1500 V 30 kB Solver Adjustable parameters product feature? for L-tripping / can be switched on/off adjustable response value setting current (in) / of the L-trip / with 12 characteristic minimum substable response value setting current (in) / for L-tripping / with 12t characteristic minimum substable response value setting current (in) / for L-tripping / with 12t characteristic minimum substable response value setting current (in) / for I-tripping minimum substable caponse value setting current (in) / for I-tripping minimum adjustable current response value current (in) / for I-tripping minimum adjustable current response value current / of instantaneous short-croult trip unit maximum Adout A 30	• at 415 V	18 kA
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e at 240 V e at 440 V e at 440 V e at 460 V e at 460 V design of short-circuit protection design of short-circuit protection For switching capacity values in DC power systems, see the SVA Molded Ca-Circuit Breaker Manual: link available under Service & Support in the last chapter Adjustable parameters product feature for L-tripping / can be switched on/off adjustable response value setting current (in) / of the L-trip / with IZt characteristic eminimum emaximum em	• at 500 V	5 kA
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Adjustable parameters product feature / for L-tripping / can be switched on/off adjustable response value setting current (ir) / of the L-trip / with 12t characteristic	design of short-circuit protection	For switching capacity values in DC power systems, see the 3VA Molded Case
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adjustable response value setting current (III) / for I-tripping	• minimum	1 s
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Accessories product extension / optional / motor drive No		
product extension / optional / motor drive No	number of CO contacts / for auxiliary contacts	0
·	Accessories	
Environmental conditions	product extension / optional / motor drive	No
	Environmental conditions	
protection class IP / on the front IP40	protection class IP / on the front	IP40
ambient temperature	ambient temperature	
• during operation / minimum -25 °C	·	-25 °C
• during operation / maximum 70 °C		

• during storage / minimum

-40 °C 80 °C

during storage / maximum

Approvals / Certificates

General Product Approval





Confirmation





Miscellaneous

General Product Approval

Test Certificates

Marine / Shipping



Miscellaneous









Marine / Shipping

other

Environment



Miscellaneous

Confirmation

Environmental Confirmations 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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VM1140-3EE32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VM1140-3EE32-0AA0

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

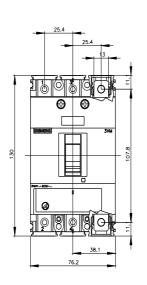
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VM1140-3EE32-0AA0

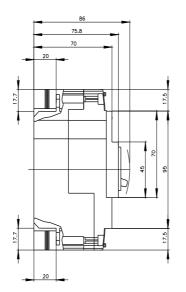
CAx-Online-Generator

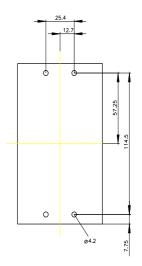
http://www.siemens.com/cax

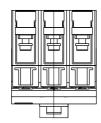
Tender specifications

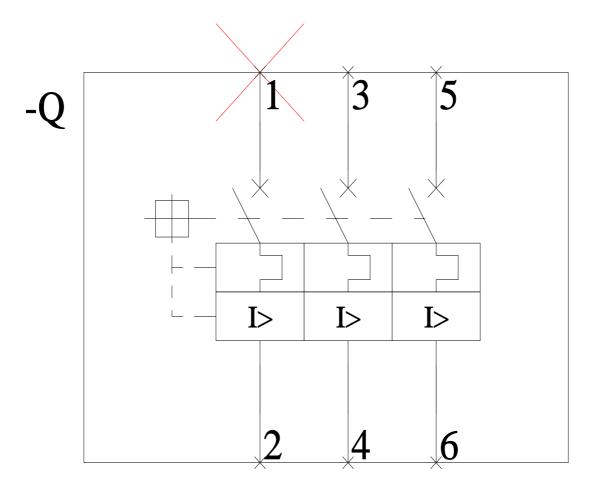
http://www.siemens.com/specifications











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