SIEMENS

Data sheet



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 unprotected nut keeper kit

Model		
product brand name	SENTRON	
product designation	Molded case circuit breaker	
Product version	Line protection	
design of the overcurrent release	TM220	
protection function of the overcurrent release	LI	
number of poles	4	
General technical data		
rated insulation voltage Ui	800 V	
Max. rated operational voltage Ue with AC 50/60Hz	500 V	
Max. rated operational voltage Ue with DC	500 V	
operating voltage / at AC / rated value	690 V	
power loss [W] / maximum	11 W	
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	3.6 W	
mechanical service life (switching cycles) / typical	15 000	
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	6 000	
Neutral conductors / upgradeable/retrofittable	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	
breaking capacity maximum short-circuit current (Icu)		
• at 240 V	55 kA	
● at 415 V	36 kA	
• at 440 V	25 kA	
● at 500 V	7 kA	

g capacity values in DC power systems, see the 3VA e Circuit Breaker Manual; link available under Service & ne last chapter
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Confirmation



Miscellaneous



Declaration of Conformity	Test Certificates	Marine / Shipping
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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=3VM1140-4EE42-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VM1140-4EE42-0AA0

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VM1140-4EE42-0AA0

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications

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