



circuit breaker 3VA1 IEC frame 160 breaking capacity class M $I_{cu}=55kA$ @ 415V 3-pole, line protection TM210, FTFM, $I_n=40A$ overload protection $I_r=40A$ fixed short-circuit protection $I_i=10 \times I_n$ nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	TM210
protection function of the overcurrent release	LI
number of poles	3
General technical data	
Tension assignée d'isolement U_i	800 V
Max. rated operational voltage U_e with DC	500 V
power loss [W] / maximum	10.8 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	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	8 000
Neutral conductors / upgradeable/retrofitable	No
ground-fault monitoring version	Without
product function	
• communication function	No
• other measurement function	No
net weight	0.9 kg
Current	
Max. rated operational current of the frame size	160 A
Courant permanent assigné I_u	40 A
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	M
breaking capacity maximum short-circuit current (I_{cu})	

Declaration of Conformity	Test Certificates			Shipping Approval	
 EG-Konf.	Special Test Certificate	Type Test Certificates/Test Report	Miscellaneous	 ABS	 BUREAU VERITAS

Shipping Approval	other				
 LRS	 RMRS	CCS / China Classification Society	Manufacturer Declaration	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=3VA1140-5ED32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1140-5ED32-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1140-5ED32-0AA0

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



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