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Data sheet 3VA2216-7MS32-0AA0

circuit breaker 3VA2 IEC frame 250 breaking capacity class C Icu=110kA @ 415V 3-pole, starter protection ETU310M, I, In=160A without overload protection short-circuit protection Ii=3...15 x In nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Starter protection
design of the overcurrent release	ETU310M
protection function of the overcurrent release	I
number of poles	3
General technical data	
rated insulation voltage Ui	800 V
power loss [W] / maximum	19.7 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	6.57 W
mechanical service life (switching cycles) / typical	25 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	12 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	8 400
Neutral conductors / upgradeable/retrofittable	No
ground-fault monitoring version	Without
product function	
● communication function	No
● phase failure detection	No
● other measurement function	No
Net Weight	2,238 kg
Current	
Max. rated operational current of the frame size	250 A
Courant permanent assigné Iu	160 A
operational current	
● at 40 °C	160 A
● at 45 °C	160 A
● at 50 °C	160 A
● at 55 °C	160 A
● at 60 °C	160 A
● at 65 °C	160 A
● at 70 °C	160 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	C
breaking capacity maximum short-circuit current (Icu)	
● at 240 V	150 kA
● at 415 V	110 kA

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● at 440 V	110 kA
● at 500 V	85 kA
● at 690 V	3 kA
breaking capacity operating short-circuit current (Ics)	
● at 240 V	150 kA
● at 415 V	110 kA
● at 440 V	110 kA
● at 500 V	85 kA
● at 690 V	3 kA
short-circuit current making capacity (Icm)	
● at 240 V	330 kA
● at 415 V	242 kA
● at 440 V	242 kA
● at 500 V	187 kA
● at 690 V	4.5 kA
Adjustable parameters	
Adjustable response value current / Ii min.	480 A
Adjustable response value current / Ii max.	2 400 A
Ground fault protection / tripping switchable / I2t=ON/OFF	No
Mechanical Design	
height [in]	7.13 in
Height	181 mm
width [in]	4.13 in
Width	105 mm
depth [in]	3.39 in
depth	86 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	on both sides nut keeper kit
Type of connectable conductor cross-section, connection screw, width x thickness , min.	13 x 1 mm
Type of connectable conductor cross-section, connection screw, width x thickness , max.	25 x 8 mm
Auxiliary circuit	
product component	
● undervoltage release	No
● voltage trigger	No
● trip indicator	No
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	Yes
Environmental conditions	
protection class IP / on the front	IP40
ambient temperature	
● during operation / minimum	-25 °C
● during operation / maximum	70 °C
● during storage / minimum	-40 °C
● during storage / maximum	80 °C
Certificates	
reference code / acc. to IEC 81346-2	Q

General Product Approval			EMC	Declaration of Conformity
CCC	VDE	Miscellaneous	RCM	EG-Konf.

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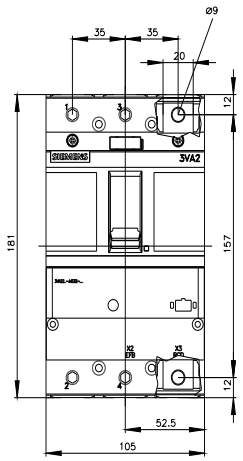
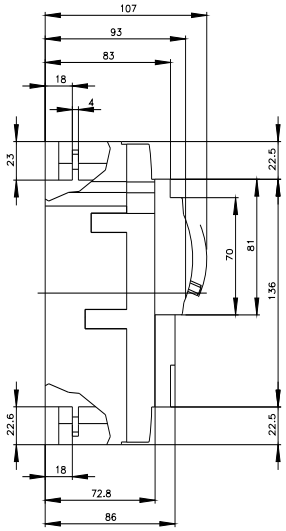
Declaration of Conformity	Test Certificates		Marine / Shipping		
UK Declaration of Conformity	Special Test Certific-ate	Miscellaneous			CCS / China Classi-fication Society

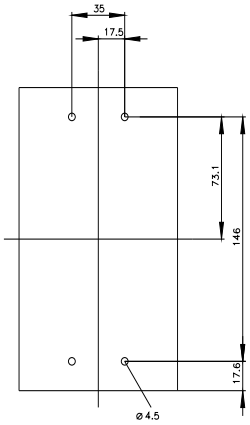
other		
Confirmation	Miscellaneous	Miscellaneous

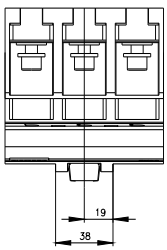
Further information

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=3VA2216-7MS32-0AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA2216-7MS32-0AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2216-7MS32-0AA0
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications









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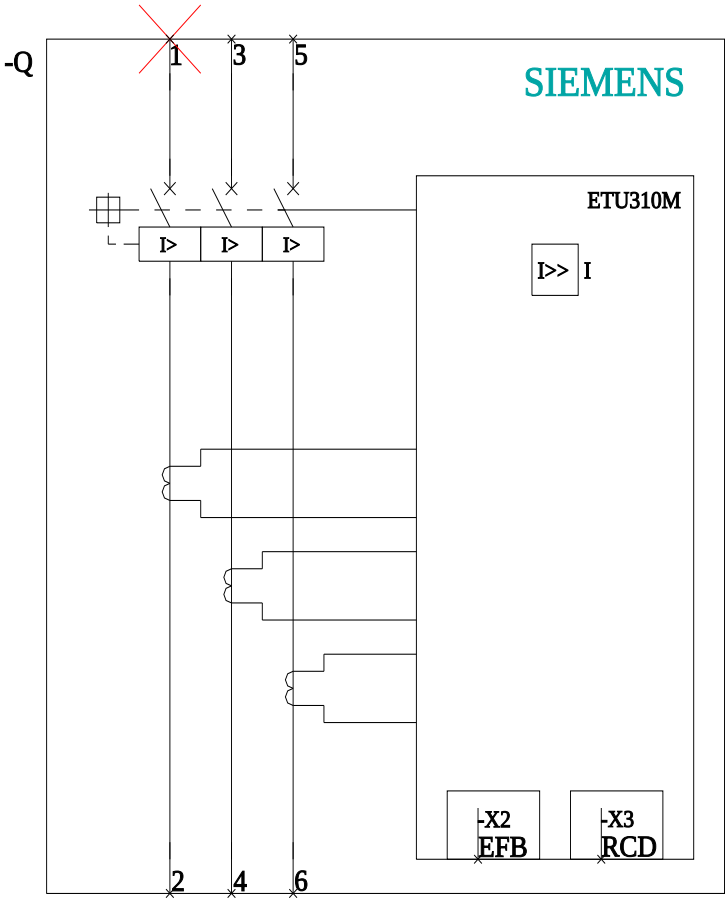

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