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Data sheet 3VT2725-2AA36-0AA0



CIRCUIT BREAKER 3VT2 STANDARD BREAKING CAPACITY ICU=36KA, 415V AC 3-POLE; CIRCUIT BREAKER W/O OVERCURRENT RELEASE W/O AUXILIARY TRIP UNIT W/O AUXILIARY/ALARM SWITCH

Model	
product brandname	SENTRON
Product designation	3VT1_5 molded case circuit breakers
Design of the operating mechanism	toggle handle
Type of the driving mechanism / motor drive	No

General technical data	
Number of poles	3
Size of the circuit-breaker	3VT2
Electrical endurance (switching cycles) / typical	3 000
Usage category	A
Performance class for circuit breaker	N
Mechanical service life (switching cycles) / typical	30 000
Operating frequency / maximum	120 1/h

Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	8 kV

Protection class	
Protection class IP	IP40

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Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	6 W
• maximum	18 W
Electricity	
Continuous current / rated value	250 A
Derating temperature / for the rated value of the continuous current	70 °C
Main circuit	
Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• rated value / maximum	690 V
• for main current circuit / at AC / at 50 Hz / maximum	690 V
• for main current circuit / at AC / at 60 Hz / maximum	690 V
• for main current circuit / at DC / maximum	440 V
Operating current	
• at 40 °C / rated value	250 A
• at 50 °C / rated value	250 A
• at 55 °C / rated value	250 A
• at 60 °C / rated value	250 A
• at 65 °C / rated value	250 A
• at 70 °C / rated value	250 A
Suitability	
Suitability for use	Contact unit without release
• Disconnecting means	Yes
Product details	
Product component	
• Trip indicator	No
• Auxiliary switch	No
• Voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No
Product extension / optional / motor drive	Yes
Product function	
Product function	

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• Ground fault protection	No
• for neutral conductors / Short-circuit and overload proof	No
• Phase failure detection	No
• Overload protection	No

Short circuit

Operational short-circuit current breaking capacity (Ics)	
• at 240 V / rated value	30 kA
• at 415 V / rated value	18 kA
• at 500 V / rated value	8 kA
• at 690 V / rated value	5 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V / rated value	60 kA
• at 415 V / rated value	36 kA
• at 500 V / rated value	16 kA
• at 690 V / rated value	10 kA

Connections

Arrangement of electrical connectors / for main current circuit	front side
Type of electrical connection / for main current circuit	screw-type terminals

Mechanical Design

Height	225 mm
Width	105 mm
Depth	117 mm
Mounting position	with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Mounting type	fixed mounting
Net weight	3.314 kg

Environmental conditions

Ambient temperature	
• during operation / minimum	-40 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	70 °C

Certificates

Equipment marking	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

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General Product Approval	Declaration of Conformity	Test Certificates	other
CCC	EG-Konf.	Typprüfbescheinigung/Werkszeugnis	sonstig

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

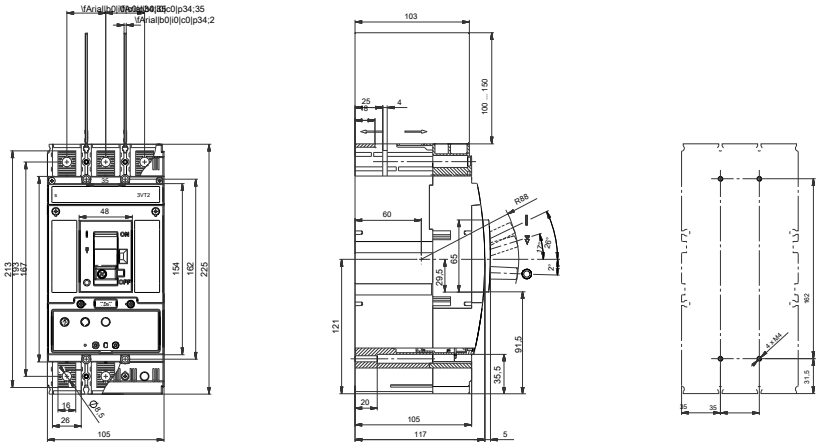
Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VT2725-2AA36-0AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VT2725-2AA36-0AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT2725-2AA36-0AA0

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications



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