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Data sheet 3VT2725-3AA46-0AA0



Figure similar

CIRCUIT BREAKER 3VT2 HIGH BREAKING CAPACITY ICU=65KA, 415V AC 4-POLE; CIRCUIT BREAKER W/O OVERCURRENT RELEASE N SWITCHED W/O AUXILIARY TRIP UNIT W/O AUXILIARY/ALARM SWITCH WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH

Model		
product brand name		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		4
Size of the circuit-breaker		3VT2
Electrical endurance (switching cycles) / typical		3 000
Usage category		A
Performance class for circuit breaker		H
Mechanical service life (switching cycles) / typical		30 000
Operating frequency / maximum	1/h	120

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

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	W	6
• maximum	W	18
Electricity		
Continuous current / rated value	A	250
Derating temperature / for the rated value of the continuous current	°C	70
Main circuit		
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Operating voltage		
• rated value / maximum	V	690
• for main current circuit / at AC / at 50 Hz / maximum	V	690
• for main current circuit / at AC / at 60 Hz / maximum	V	690
• for main current circuit / at DC / maximum	V	440
Operating current		
• at 40 °C / rated value	A	250
• at 50 °C / rated value	A	250
• at 55 °C / rated value	A	250
• at 60 °C / rated value	A	250
• at 65 °C / rated value	A	250
• at 70 °C / rated value	A	250
Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
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

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• undervoltage release with leading contact		No
Product extension / optional / motor drive		Yes

Product function

Product function		
• 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	kA	50
• at 415 V / rated value	kA	36
• at 500 V / rated value	kA	13
• at 690 V / rated value	kA	8
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / rated value	kA	100
• at 415 V / rated value	kA	65
• at 500 V / rated value	kA	25
• at 690 V / rated value	kA	13

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	mm	225
Width	mm	140
Depth	mm	117
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	kg	4.1

Environmental conditions

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

Certificates

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

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

Further information

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

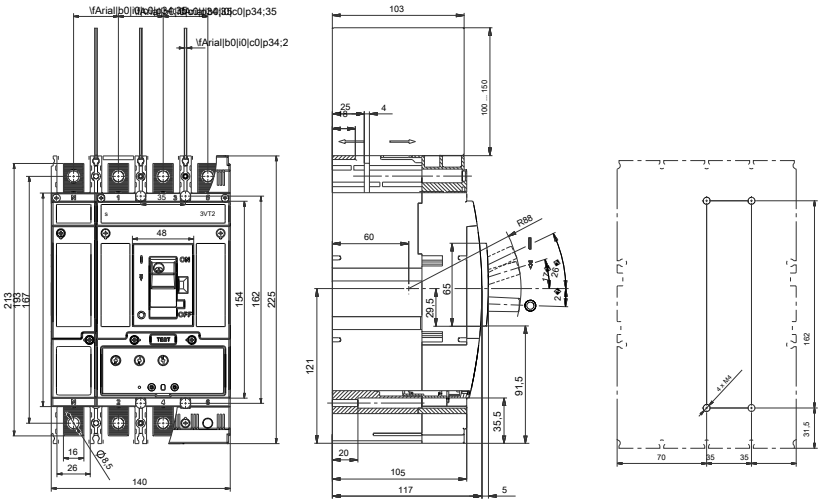
Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VT27253AA460AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VT27253AA460AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT27253AA460AA0

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

Tender specifications
http://ausschreibungstexte.siemens.com/tiplv



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