SIEMENS

Data sheet 3VT2725-2AA46-0AA0



Figure similar

CIRCUIT BREAKER 3VT2 STANDARD BREAKING CAPACITY ICU=36KA, 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 OHNE HILFSAUSLOESER

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		N
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

Dissipation		
Active power loss		
• maximum	W	18

Electricity		
Continuous current / Rated value	A	250

Changes preserved
© Copyright Siemens AG

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 / with AC / at 50 Hz / maximum	V	690
• for main current circuit / with AC / at 60 Hz / maximum	V	690
• for main current circuit / for 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
• undervoltage release with leading contact		No
Product expansion / 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

Changes preserved
© Copyright Siemens AG

• overload protection		No

Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 240 V / Rated value	kA	30
• at 415 V / Rated value	kA	18
• at 500 V / Rated value	kA	8
• at 690 V / Rated value	kA	5
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	60
• at 415 V / Rated value	kA	36
• at 500 V / Rated value	kA	16
• at 690 V / Rated value	kA	10
Short-circuit current making capacity (Icm)		
• at 415 V / Rated value	kA	75

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

Changes preserved
© Copyright Siemens AG

General Product Approval			Declaration of Conformity	Test Certificates	other
CCC	GOST	EAC	EG-Konf.	Type Test Certificates/Test Report	other

other
Environmental Confirmations

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/3VT27252AA460AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VT27252AA460AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT27252AA460AA0

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

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

Changes preserved
© Copyright Siemens AG

last modified:	27.04.2015

Changes preserved
© Copyright Siemens AG