



CIRCUIT BREAKER 3VT3 STANDARD BREAKING CAPACITY ICU=36KA, 415V AC 4-POLE; CIRCUIT BREAKER W/O OVERCURRENT RELEASE N SWITCHED WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH

Figure similar

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		4
Size of the circuit-breaker		3VT3
Electrical endurance (switching cycles) / typical		5 000
Usage category		A
Performance class for circuit breaker		N
Mechanical service life (switching cycles) / typical		20 000
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		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	25
• maximum	W	75
Electricity		
Continuous current / rated value	A	630
Derating temperature / for the rated value of the continuous current	°C	55
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	630
• at 50 °C / rated value	A	630
• at 55 °C / rated value	A	600
• at 60 °C / rated value	A	600
• at 65 °C / rated value	A	540
• at 70 °C / rated value	A	540
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 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	40
• at 415 V / rated value	kA	18
• at 500 V / rated value	kA	10
• at 690 V / rated value	kA	8
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	20
• at 690 V / rated value	kA	15

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	275
Width	mm	185
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	7.4

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
- acc. to DIN EN 81346-2

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General Product Approval	Declaration of Conformity	Test Certificates	other
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EG-Konf.

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[Umweltbestätigung](#)

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/3VT3763-2AA46-0AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VT3763-2AA46-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT3763-2AA46-0AA0

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>

