

circuit breaker 3VT2 standard breaking capacity Icu=36kA, 415V AC
4-pole; circuit breaker w/o Electronic Trip Unit N connected 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	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

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	6 W
Electricity	
Operating current / at 45 °C / rated value	250 A
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
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	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	140 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	4.1 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	
Reference code	

- 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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[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

[Manufacturer Declaration](#)

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=3VT2725-2AA46-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VT2725-2AA46-0AA0>

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

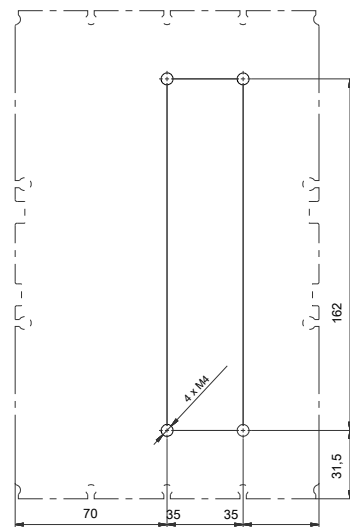
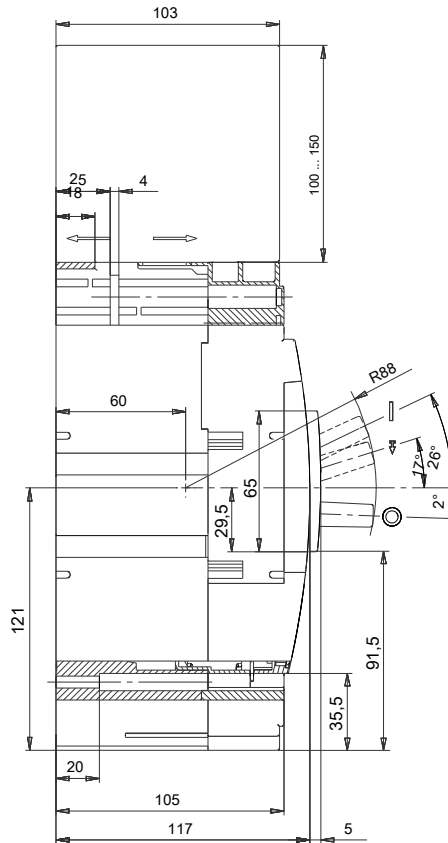
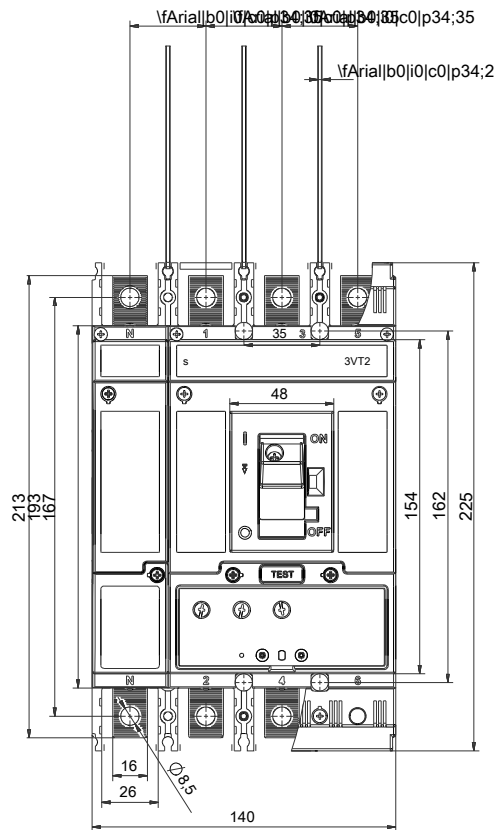
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT2725-2AA46-0AA0

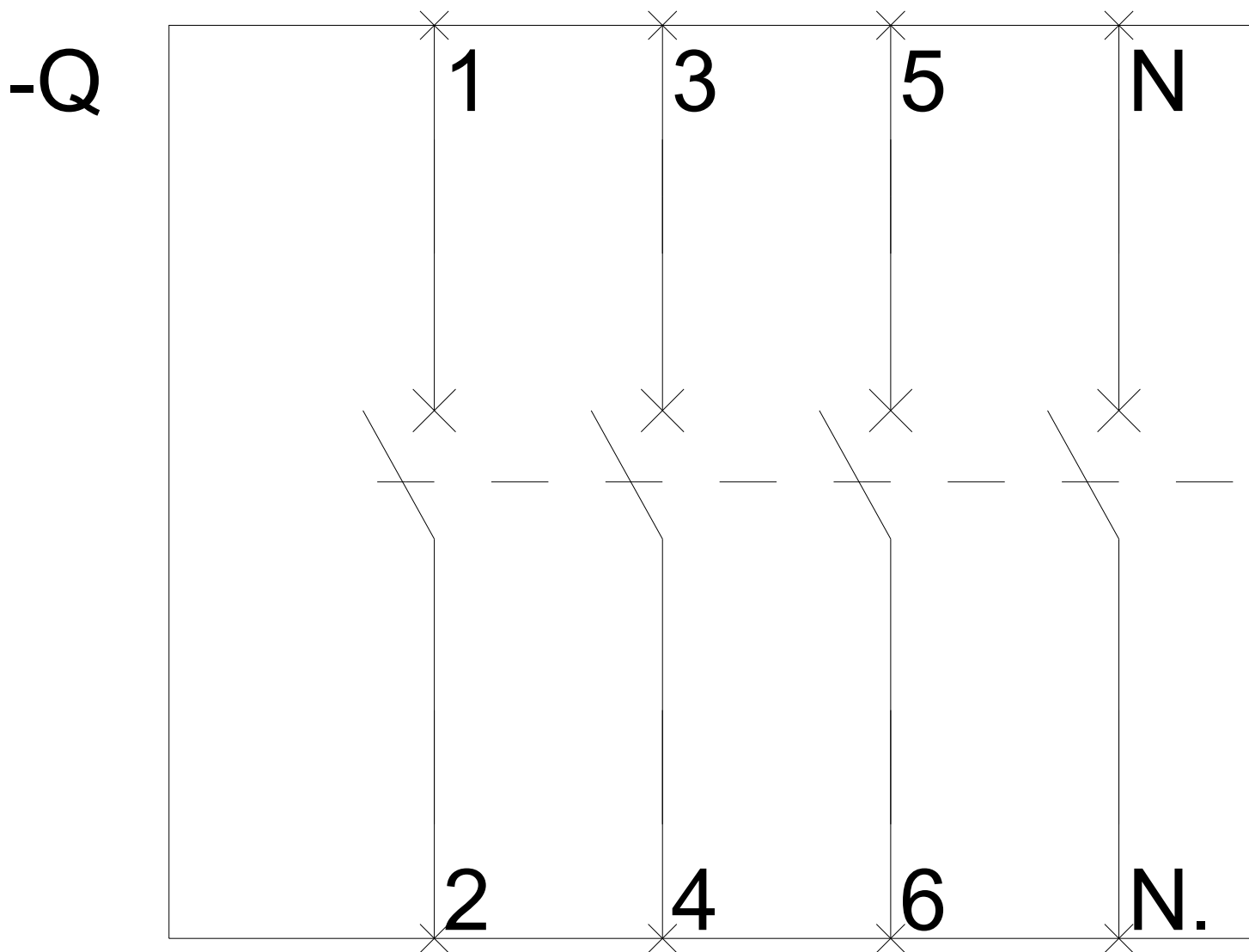
CAX-Online-Generator

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

Tender specifications

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





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