



circuit breaker 3VT3 standard breaking capacity  $I_{cu}=36kA$ , 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 actuating element	toggle handle
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
size of the circuit-breaker	3VT3
mechanical service life (operating cycles) typical	20 000
electrical endurance (operating cycles) typical	5 000
utilization category	A
performance class for circuit breaker	N
operating frequency maximum	120 1/h
Voltage	
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	25 W
Main circuit	
operating frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
operational current rated value	630 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
suitability for use 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
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### Product function

<b>product function</b>	
• grounding protection	No
• for neutral conductors short-circuit and overload proof	No
• phase failure detection	No
• overload protection	No

### Short circuit

<b>operating short-circuit current breaking capacity (Ics)</b>	
• at 240 V rated value	40 kA
• at 415 V rated value	18 kA
• at 500 V rated value	10 kA
• at 690 V rated value	8 kA

<b>maximum short-circuit current breaking capacity (Icu)</b>	
• at 240 V rated value	60 kA
• at 415 V rated value	36 kA
• at 500 V rated value	20 kA
• at 690 V rated value	15 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

<b>height</b>	275 mm
<b>width</b>	185 mm
<b>depth</b>	117 mm
<b>fastening method</b>	fixed mounting
<b>mounting position</b>	with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back

<b>Net Weight</b>	7.509 kg
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### Environmental conditions

<b>ambient temperature during operation</b>	
• minimum	-40 °C
• maximum	70 °C

<b>ambient temperature during storage</b>	
• minimum	-40 °C
• maximum	70 °C

### Certificates

<b>reference code according to EN 61346-2</b>	Q
<b>reference code according to IEC 81346-2</b>	Q

### Approvals Certificates

Environment	General Product Approval	Test Certificates	other
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[Environmental Confirmations](#)



[Confirmation](#)



[Type Test Certificates/Test Report](#)

[Confirmation](#)

### other



[Miscellaneous](#)

### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>  
 Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VT3763-2AA46-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VT3763-2AA46-0AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VT3763-2AA46-0AA0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT3763-2AA46-0AA0)

CAX-Online-Generator

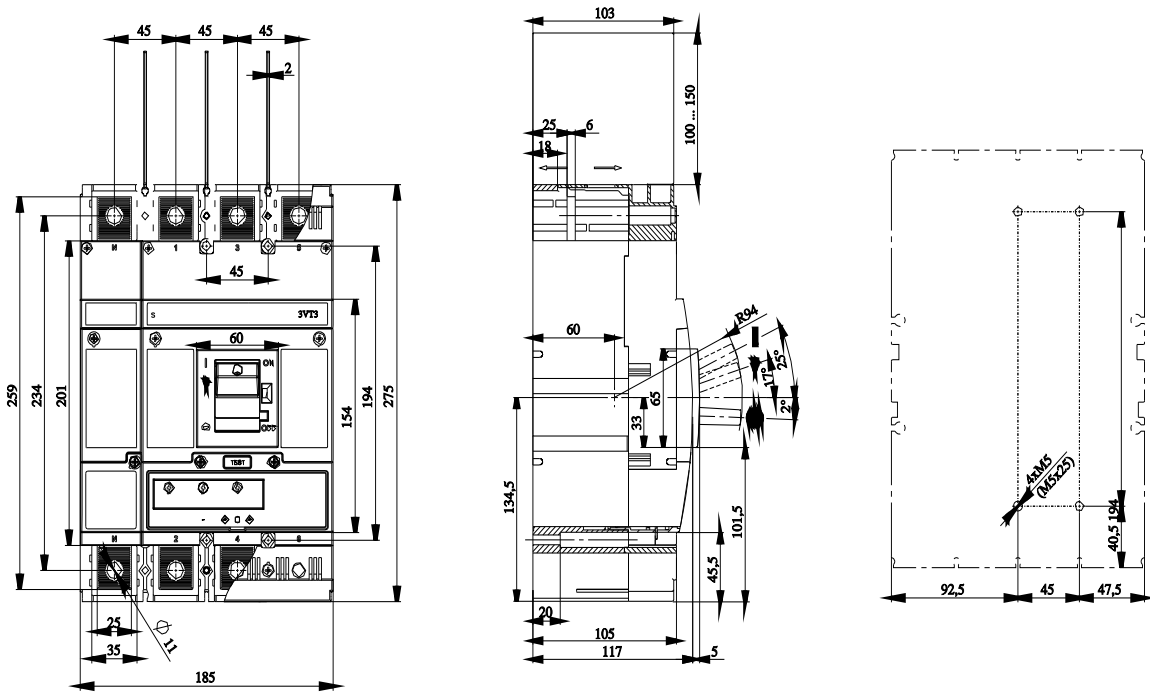
<https://www.siemens.com/cax>

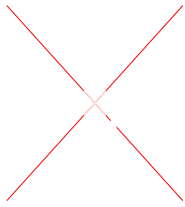
Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP='HAUPT'></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)





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last modified:

6/15/2025 

