



circuit breaker 3VT3 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 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
• 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	
• grounding protection	No
• for neutral conductors short-circuit and overload proof	No
• phase failure detection	No
• overload protection	No
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• 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
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	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	
height	275 mm
width	185 mm
depth	117 mm
fastening method	fixed mounting
mounting position	with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
net weight	7.4 kg
Environmental conditions	
ambient temperature during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	70 °C
Certificates	
reference code	
• according to EN 61346-2	Q
• according to IEC 81346-2	Q

Approvals Certificates	
General Product Approval	Test Certificates

[Confirmation](#)



[Type Test Certificates/Test Report](#)

other

[Miscellaneous](#)

[Confirmation](#)

Further information

Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
 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=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, ...)

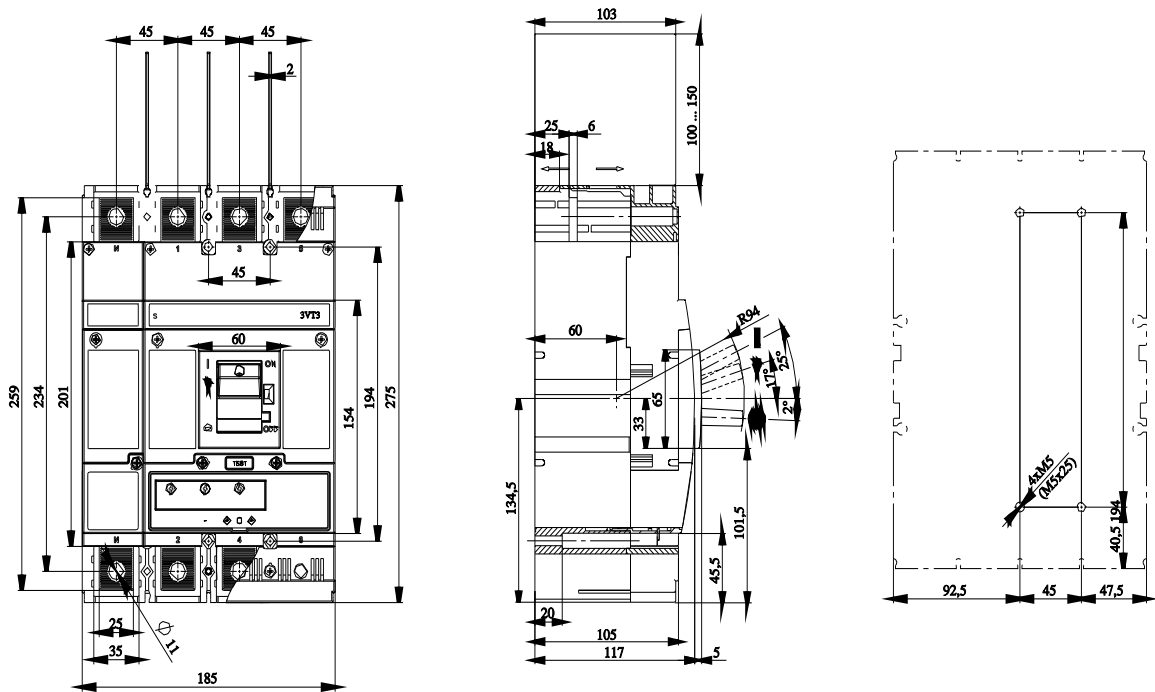
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT3763-2AA46-0AA0

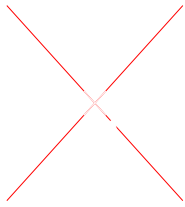
CAX-Online-Generator

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

Tender specifications

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





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