



circuit breaker 3VT5 high breaking capacity $I_{cu}=55\text{kA}$, 415V AC 3-pole; circuit breaker w/o Electronic Trip Unit 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	3
size of the circuit-breaker	3VT5
mechanical service life (operating cycles) typical	10 000
electrical endurance (operating cycles) typical	4 000
utilization category	A
performance class for circuit breaker	H
operating frequency maximum	120 1/h

Voltage

surge voltage resistance rated value	8 kV
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Protection class

protection class IP	IP40
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Dissipation

power loss [W] for rated value of the current at AC in hot operating state per pole	40 W
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Main circuit

operating frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
operational current rated value	1 600 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	45 kA
• at 415 V rated value	36 kA
• at 500 V rated value	30 kA
• at 690 V rated value	20 kA
maximum short-circuit current breaking capacity (Icu)	
• at 240 V rated value	85 kA
• at 415 V rated value	55 kA
• at 500 V rated value	45 kA
• at 690 V rated value	20 kA
Connections	
arrangement of electrical connectors for main current circuit	front side
type of electrical connection for main current circuit	busbar connection
Mechanical Design	
height	494 mm
width	210 mm
depth	157 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	22.96 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

Environment

[Miscellaneous](#)

[Confirmation](#)

[Environmental Conformations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

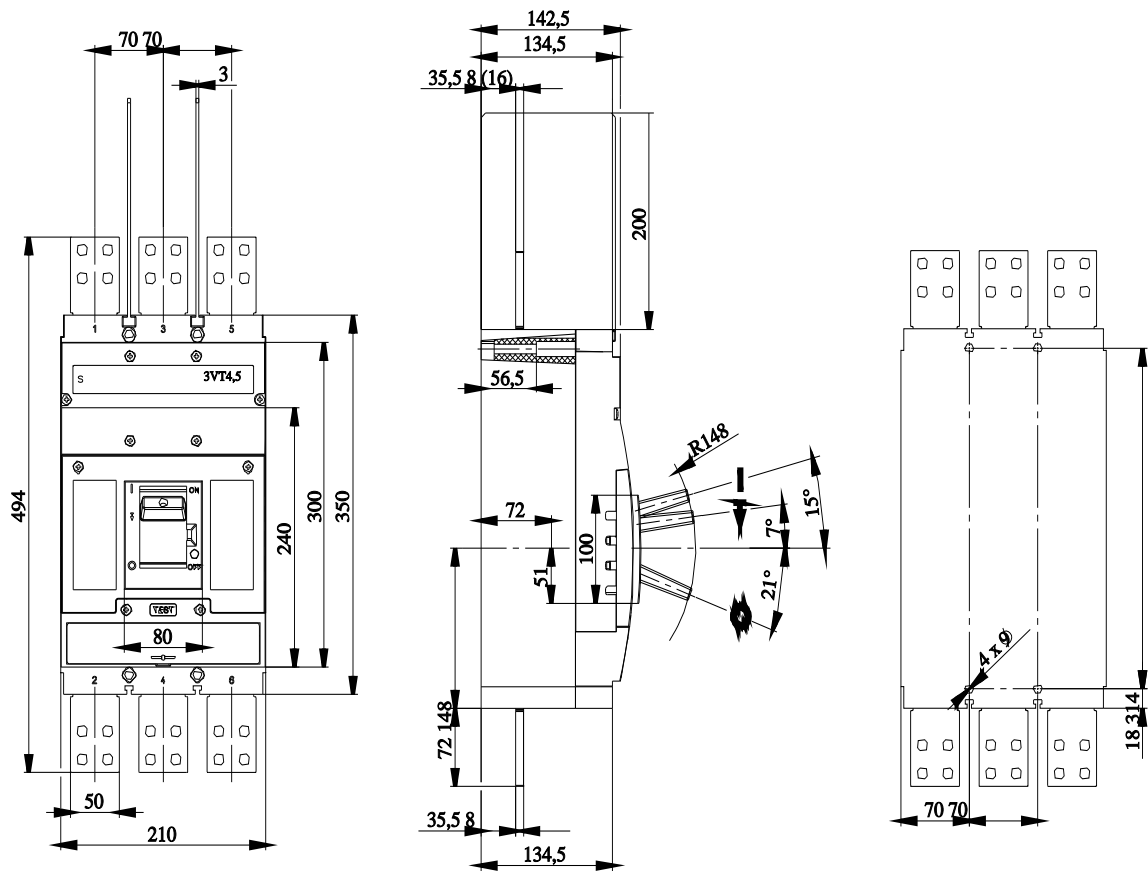
Information- and Downloadcenter (Catalogs, Brochures,...)

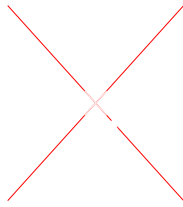
<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VT5716-3AA30-0AA0>

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





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