



circuit breaker 3VT5 high breaking capacity Icu=55kA, 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
Protection class	
protection class IP	IP40
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	40 W
Main circuit	
operating frequency	50 Hz
• 1 rated value	60 Hz
• 2 rated value	
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
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

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
reference code according to IEC 81346-2		Q
Approvals Certificates		
General Product Approval		Test Certificates other



[Type Test Certificates/Test Report](#)



other	Environment
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[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

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

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

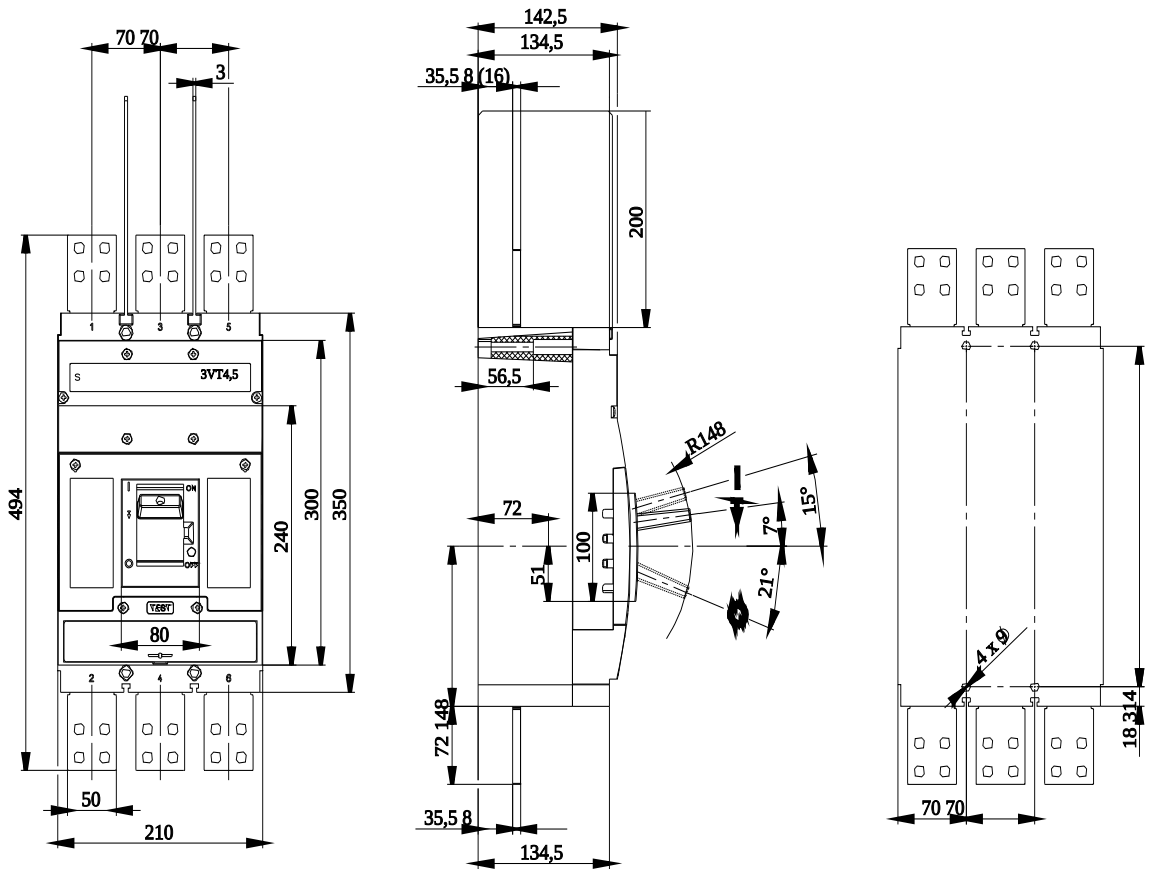
<http://www.siemens.com/lowvoltage/catalogs>

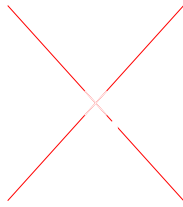
Industry Mall (Online ordering system)

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

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VT5716-3AA30-0AA0>





last modified:

6/15/2025 

