



circuit breaker 3VT3 high breaking capacity Icu=65kA, 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	3VT3
mechanical service life (operating cycles) typical	20 000
electrical endurance (operating cycles) typical	5 000
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	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	
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		75 kA	
● at 415 V rated value		36 kA	
● at 500 V rated value		20 kA	
● at 690 V rated value		15 kA	
maximum short-circuit current breaking capacity (Icu)			
● at 240 V rated value		100 kA	
● at 415 V rated value		65 kA	
● at 500 V rated value		35 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		screw-type terminals	
Mechanical Design			
height		275 mm	
width		140 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		5.963 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			
Environment	General Product Approval		Test Certificates
			other

[Environmental Confirmations](#)



[Confirmation](#)



[Type Test Certificates/Test Report](#)

[Confirmation](#)

other



[Miscellaneous](#)

Further information

Information on the packaging

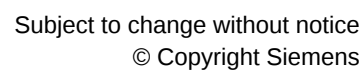
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

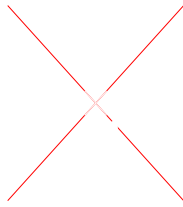
Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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last modified:

6/15/2025 

