SIEMENS

Data sheet 3VT1704-2EB46-0AA0

circuit breaker 3VT1 standard breaking capacity Icu=25kA, 415V AC 4-pole; starter combination trip unit TM, LIN In=40A rated current II=200...400A, short-circuit protection N conductor unprotected 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
design of the overcurrent release	M
General technical data	
number of poles	4
size of the circuit-breaker	3VT1
mechanical service life (operating cycles) typical	20 000
electrical endurance (operating cycles) typical	6 000
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
protection function of the overcurrent release	I
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.33 W
Main circuit	
operating frequency	
● 1 rated value	50 Hz
● 2 rated value	60 Hz
operational current rated value	40 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	starter combinations
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	Yes
Short circuit	
operating short-circuit current breaking capacity (Ics)	
● at 240 V rated value	20 kA
● at 415 V rated value	13 kA
● at 500 V rated value	6 kA
● at 690 V rated value	3 kA
maximum short-circuit current breaking capacity (Icu)	
● at 240 V rated value	40 kA
● at 415 V rated value	25 kA
● at 500 V rated value	12 kA
● at 690 V rated value	6 kA
Connections	
arrangement of electrical connectors for main current circuit	front side
type of electrical connection for main current circuit	box terminal
Mechanical Design	
height	130 mm
width	100 mm
depth	80 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	1.359 kg
Environmental conditions	
ambient temperature during operation	
● minimum	-40 °C
● maximum	55 °C
ambient temperature during storage	
● minimum	-40 °C
● maximum	55 °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	EAC	Confirmation	UKCA	Type Test Certificates/Test Report	Confirmation

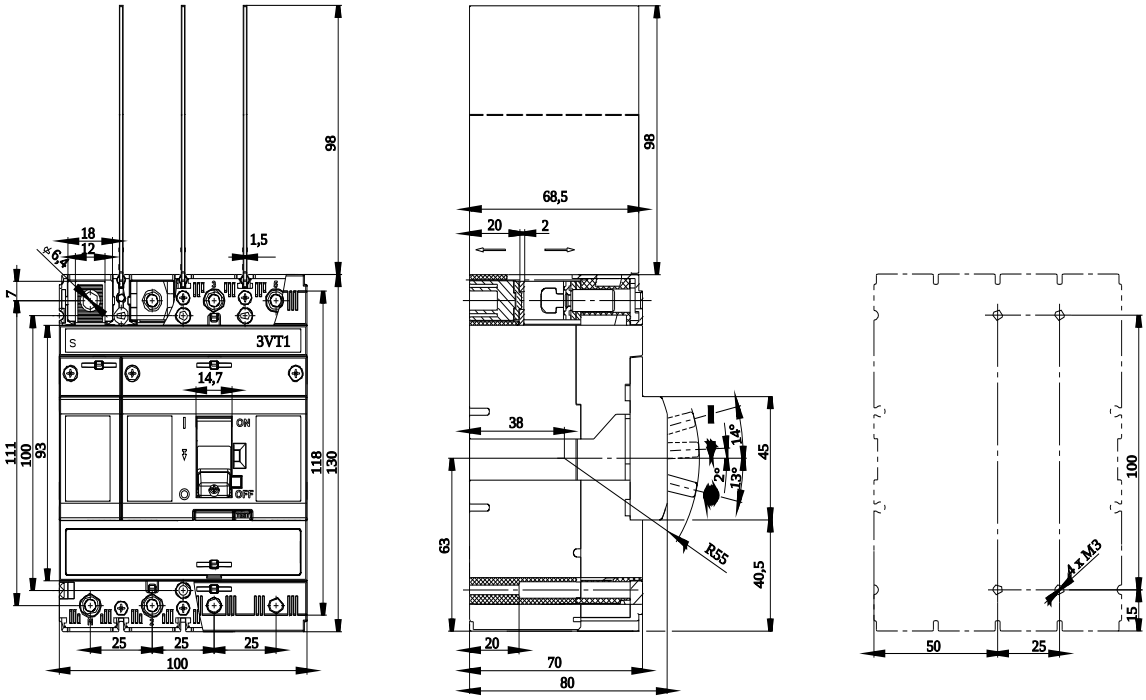
other

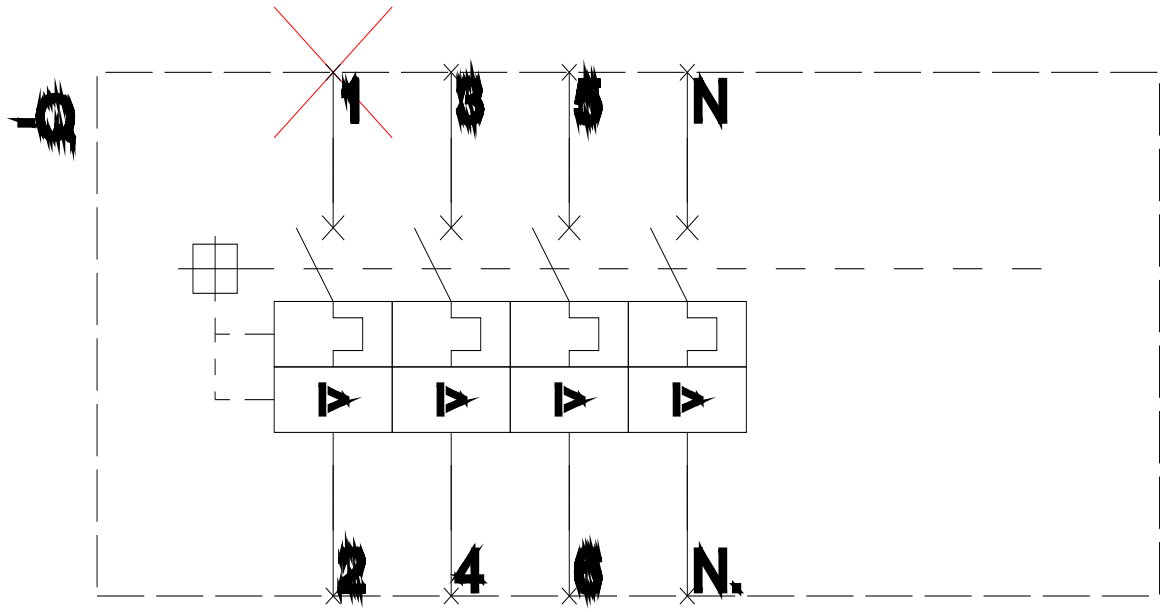
产品合格 QC PASS	Miscellaneous

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=3VT1704-2EB46-0AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VT1704-2EB46-0AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT1704-2EB46-0AA0
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>





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