

SWITCH DISCONNECTOR 3VT1 4-POLE; SWITCH DISCONNECTOR IN= 160A RATED CURRENT WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH



Model		
product brandname		SENTRON
Product designation		3VT1_5 molded case circuit breakers
Design of the operating mechanism		toggle handle
Type of the driving mechanism / motor drive		No
General technical data		
Number of poles		4
Size of the circuit-breaker		3VT1
Electrical endurance (switching cycles) / typical		6 000
Usage category		A
Performance class for circuit breaker		N
Mechanical service life (switching cycles) / typical		20 000
Operating frequency / maximum	1/h	120
Voltage		
Insulation voltage / rated value	V	690
Surge voltage resistance / rated value	kV	8
Protection class		
Protection class IP		IP40

Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	5
• maximum	W	15
Electricity		
Continuous current / rated value	A	160
Derating temperature / for the rated value of the continuous current	°C	40
Main circuit		
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Operating voltage		
• rated value / maximum	V	690
• for main current circuit / at AC / at 50 Hz / maximum	V	690
• for main current circuit / at AC / at 60 Hz / maximum	V	690
• for main current circuit / at DC / maximum	V	440
Operating current		
• at 40 °C / rated value	A	160
• at 50 °C / rated value	A	125
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		switch disconnecter
• 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		

- Ground fault protection
- for neutral conductors / Short-circuit and overload proof
- Phase failure detection
- Overload protection

No
No
No
No

Connections

Arrangement of electrical connectors / for main current circuit		front side
Type of electrical connection / for main current circuit		box terminals

Mechanical Design

Height	mm	130
Width	mm	100
Depth	mm	80
Mounting position		with vertical mounting surface +/- 180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Mounting type		fixed mounting
Net weight	kg	1.336

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-40
• during operation / maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	55

Certificates

Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

General Product Approval	Declaration of Conformity	Test Certificates	other
--------------------------	---------------------------	-------------------	-------



[Typprüfbescheinigung/Werkszeugnis](#)

[Umweltbestätigung](#)

[sonstig](#)

Further information

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

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

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VT1716-2EE46-0AA0>

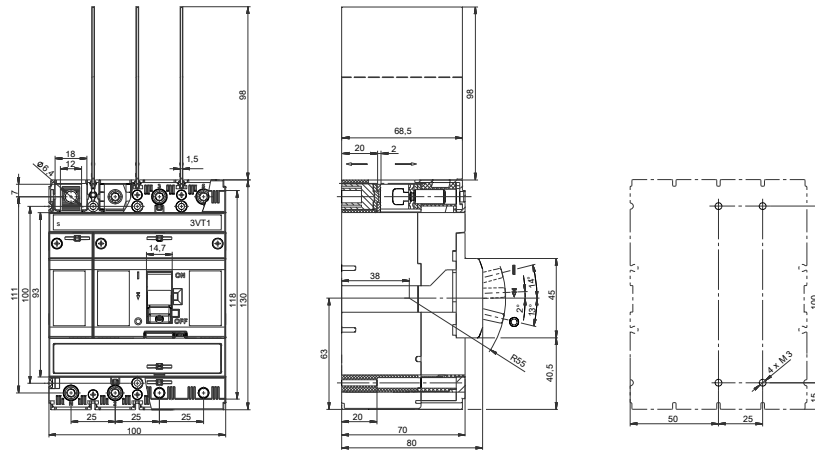
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3VT1716-2EE46-0AA0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT1716-2EE46-0AA0

CAX-Online-Generator
<http://www.siemens.com/cax>

Tender specifications
<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

10/14/2016