



switch disconnecter 3VT1 4-pole; switch disconnecter In=160A rated current without auxiliary release without auxiliary/alarm switch

### Model

product brand name	SENTRON
product designation	3VT1_5 switch disconnecter
design of the actuating element	toggle handle
type of the driving mechanism motor drive	No

### General technical data

type of device	fixed mounting
size of the circuit-breaker	3VT1
mechanical service life (operating cycles) typical	20 000
degree of pollution	3
insulation voltage rated value	690 V
surge voltage resistance rated value	8 kV
operating voltage at DC rated value	250 V
protection class IP	IP40
protection class IP on the front	IP40
power loss [W] for rated value of the current at AC in hot operating state per pole	15 W
operational current	
• at 40 °C rated value	160 A
• at 45 °C rated value	125 A
• at 50 °C rated value	125 A
operational current at DC rated value	160 A
operational current rated value	160 A
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 for integration distribution board	Yes
suitability for use	
• main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	No
• maintenance/repair switch	Yes
color of the actuating element	black
product component	
• trip indicator	No
• voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No
product extension auxiliary switch	No
product extension optional	
• motor drive	Yes

<ul style="list-style-type: none"> <li>voltage trigger</li> </ul>	Yes	
display version for switch position indicator	Handle position	
<b>Short circuit</b>		
short-circuit current making capacity (I <sub>cm</sub> ) for switch disconnecter without fuse link rated value minimum	2.83 kA	
arrangement of electrical connectors for main current circuit	front side	
type of electrical connection for main current circuit	box terminal	
<b>Mechanical Design</b>		
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	
ambient temperature during operation		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-40 °C	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	55 °C	
ambient temperature during storage		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-40 °C	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	55 °C	
<b>Certificates</b>		
reference code		
<ul style="list-style-type: none"> <li>according to EN 61346-2</li> </ul>	Q	
<ul style="list-style-type: none"> <li>according to IEC 81346-2</li> </ul>	Q	
<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>



[Confirmation](#)



EG-Konf.

[Type Test Certificates/Test Report](#)

other

[Miscellaneous](#)

#### Further information

**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=3VT1716-2EE46-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VT1716-2EE46-0AA0>

**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](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT1716-2EE46-0AA0)

**CAX-Online-Generator**

<http://www.siemens.com/cax>

**Tender specifications**

<http://www.siemens.com/specifications>





