



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 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
suitability for use switch disconnecter	Yes
suitability for use EMERGENCY OFF switch	No
suitability for use safety switch	No
suitability for use maintenance/repair switch	Yes
color of the actuating element	black
product feature interlock	No
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
product extension optional voltage trigger	Yes
display version for switch position indicator	Handle position
Short circuit	

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

### Mechanical Design

<b>depth</b>	80 mm
<b>fastening method</b>	fixed mounting
<b>mounting position</b>	with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
<b>Net Weight</b>	1.304 kg
<b>ambient temperature during operation</b>	
• minimum	-40 °C
• maximum	55 °C
<b>ambient temperature during storage</b>	
• minimum	-40 °C
• maximum	55 °C

### Certificates

reference code according to IEC 81346-2	Q
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### Approvals Certificates

Environment	General Product Approval	Test Certificates	other
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[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,...)

<https://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, ...)

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VT1716-2EE46-0AA0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT1716-2EE46-0AA0)

#### 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>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





