

SWITCH DISCONNECTOR 3VA1 IEC FRAME 160 4-POLE SD100, IN=160A WITHOUT OVERLOAD PROTECTION WITHOUT SHORT CIRCUIT PROT. BUSBAR CONNECTION SHUNT TRIP (STL) 220-250 V DC, 208-277 V AC 2 AUXILIARY SWITCH HQ 1 TRIP ALARM SWITCH HQ



Model	
product brandname	SENTRON
Product designation	Switch disconnecter
Design of the product	in MCCB design
Number of poles	4
Design of the auxiliary release	Shunt trip (STL)
Design of the auxiliary switch	2 auxiliary switches + 1 trip alarm switch HQ

General technical data	
Tension assignée d'isolement $U_i$	800 V
Max. rated operational voltage $U_e$ with AC 50/60Hz	690 V
Max. rated operational voltage $U_e$ with DC	600 V
Active power loss / for rated value of the current / at AC / in hot operating state / per device	38 W
Mechanical service life (switching cycles) / typical	15 000
Product function	
• communication function	No
Net weight	1 380 g

### Electricity

Courant permanent assigné lu	160 A
------------------------------	-------

### Mechanical Design

Height	130 mm
Width	101.6 mm
Depth	70 mm

### Connections

Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	busbar connection

### Auxiliary circuit

Product component	
• undervoltage release	No
• Voltage trigger	Yes
• undervoltage release with leading contact	No
• Trip indicator	Yes
Number of CO contacts / for auxiliary contacts	3

### Accessories






Product extension / optional / motor drive	Yes
--	-----

### Environmental conditions





Protection class IP / on the front	IP40
Ambient temperature	
• during operation / minimum	-25 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	80 °C

### Certificates

Equipment marking / acc. to DIN EN 81346-2	Q
--	---

General Product Approval	EMC	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC		 RCM	 EG-Konf.	 ABS

[sonstig](#)

Shipping Approval	other
 BUREAU VERITAS	 GL
 LRS	 RMRS

[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/3VA1116-1AA42-0KH0>

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

<http://support.automation.siemens.com/WW/view/en/3VA1116-1AA42-0KH0/all>

### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

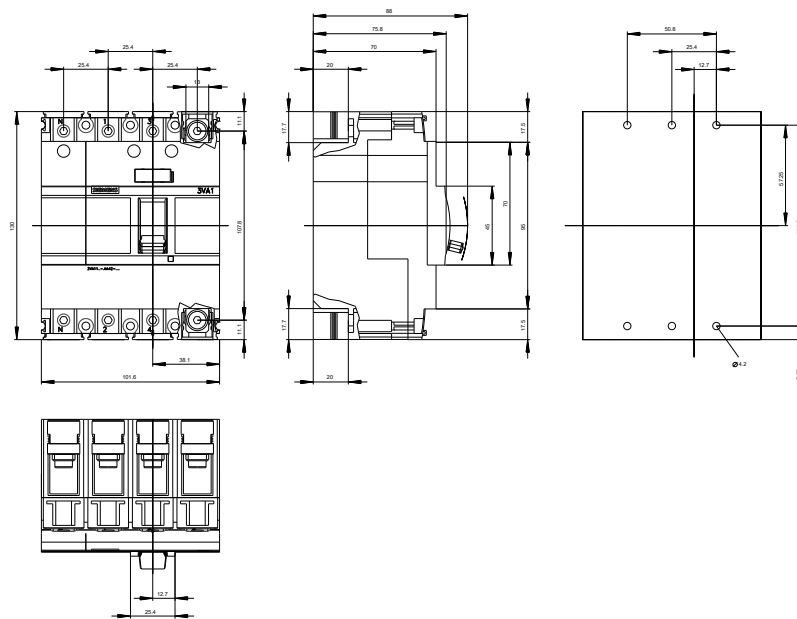
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3VA1116-1AA42-0KH0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VA1116-1AA42-0KH0)

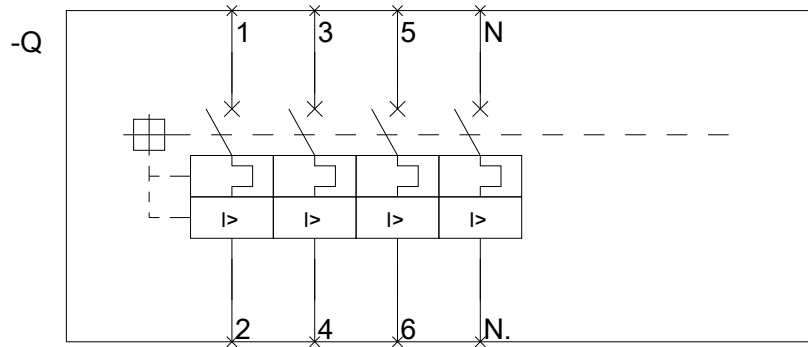
### CAX-Online-Generator

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

### Tender specifications

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





last modified:

10/24/2016