

Switch disconnecter 3VA1 IEC Frame 160 4-pole SD100, In=160 A without overload protection without short-circuit protection Lug terminal



Model	
Product brand name	SENTRON
Product designation	Switch disconnecter
Design of the product	in MCCB design
Number of poles	4
Design of the auxiliary release	without
Design of the auxiliary switch	Without
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	1 100 g
Electricity	

Courant permanent assigné lu	160 A
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### 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	
<ul style="list-style-type: none"> <li>• undervoltage release</li> <li>• Voltage trigger</li> <li>• undervoltage release with leading contact</li> <li>• Trip indicator</li> </ul>	<ul style="list-style-type: none"> <li>No</li> <li>No</li> <li>No</li> <li>No</li> </ul>
Number of CO contacts / for auxiliary contacts	0

### Accessories





Product extension / optional / motor drive	Yes
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### Environmental conditions

Protection class IP / on the front	IP40
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation / minimum</li> <li>• during operation / maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul>	<ul style="list-style-type: none"> <li>-25 °C</li> <li>70 °C</li> <li>-40 °C</li> <li>80 °C</li> </ul>

### Certificates

Reference code / acc. to DIN EN 81346-2	Q
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General Product Approval	EMC	Declaration of Conformity	Test Certificates
 CCC	<a href="#">Miscellaneous</a> 	 RCM	 EG-Konf.

Test Certificates	Shipping Approval				
<a href="#">Special Test Certificate</a>	 ABS	 BUREAU VERITAS	 GL	 LRS	 RMRS

other
<a href="#">Miscellaneous</a>

### 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=3VA1116-1AA42-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1116-1AA42-0AA0>

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

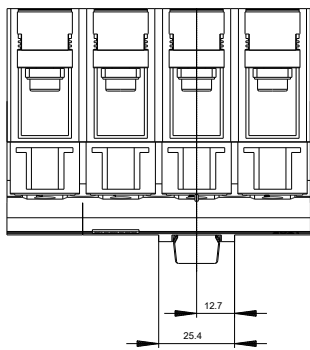
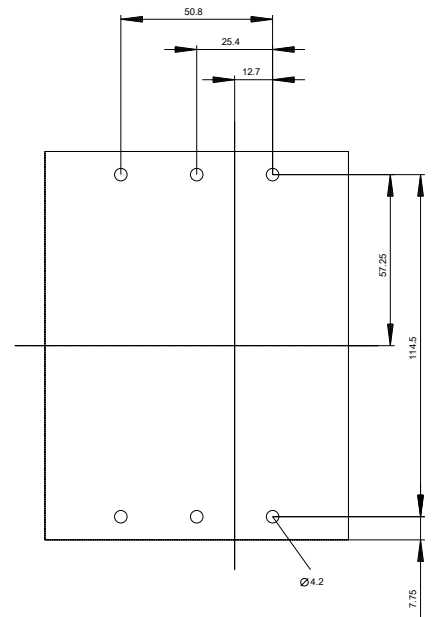
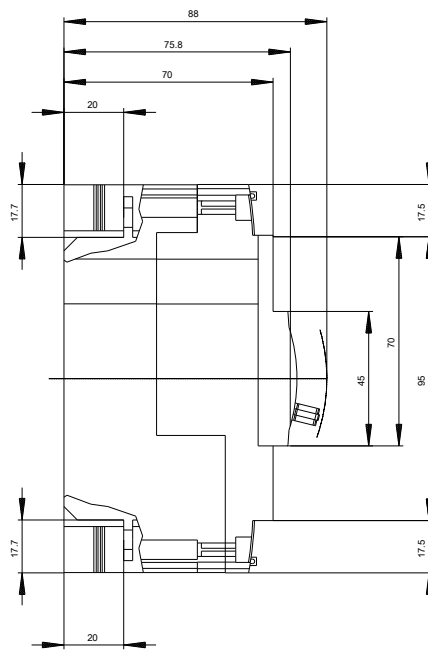
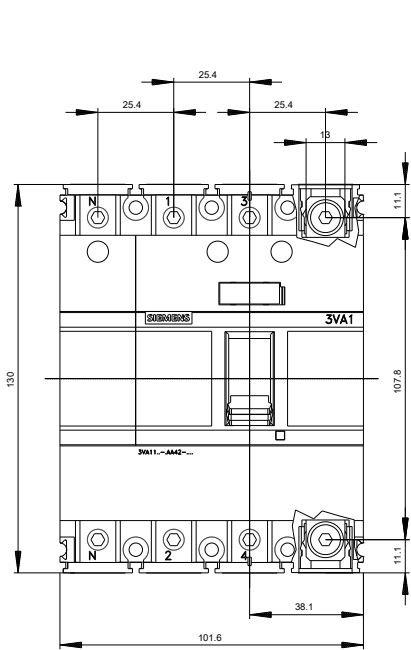
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA1116-1AA42-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1116-1AA42-0AA0)

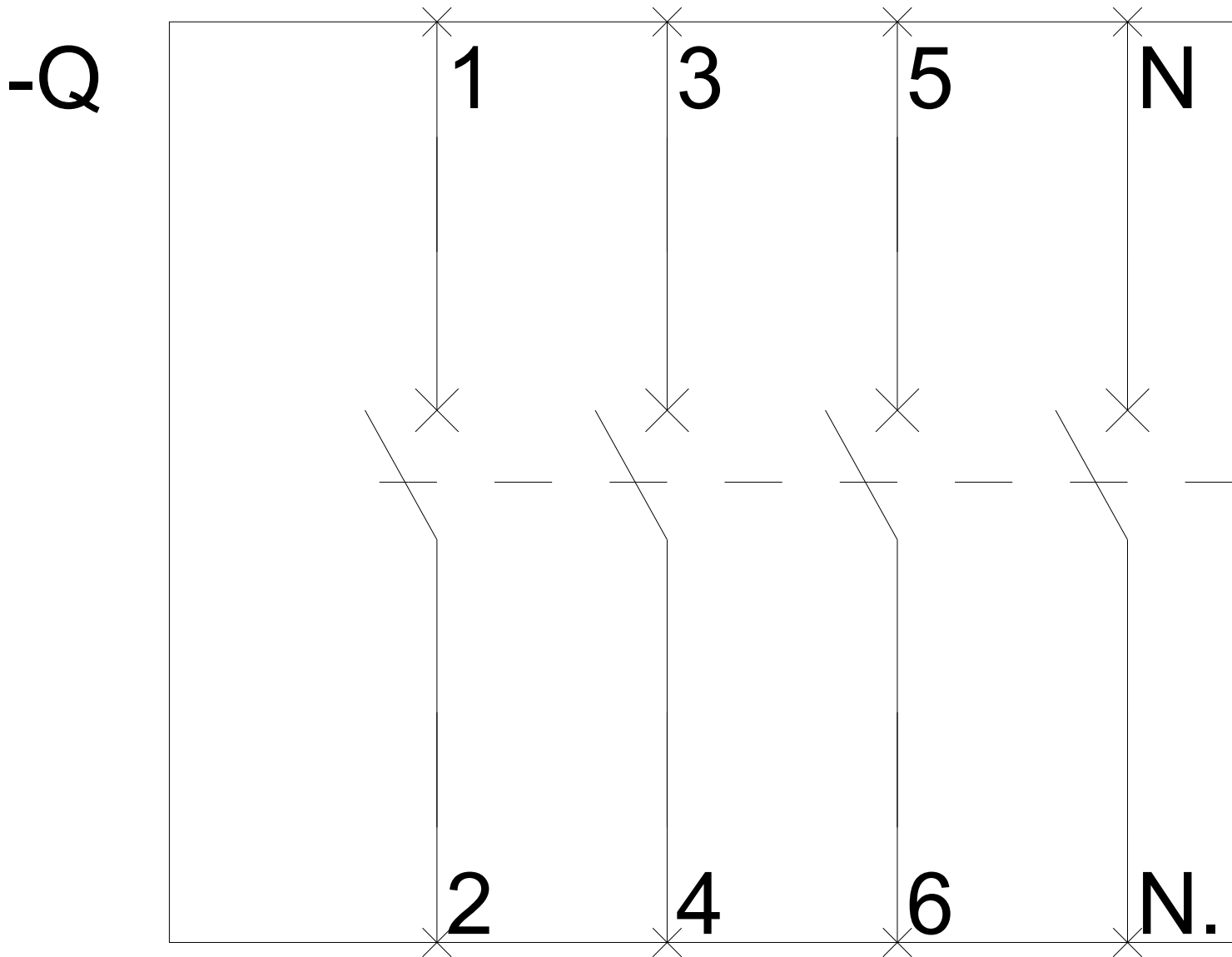
**CAX-Online-Generator**

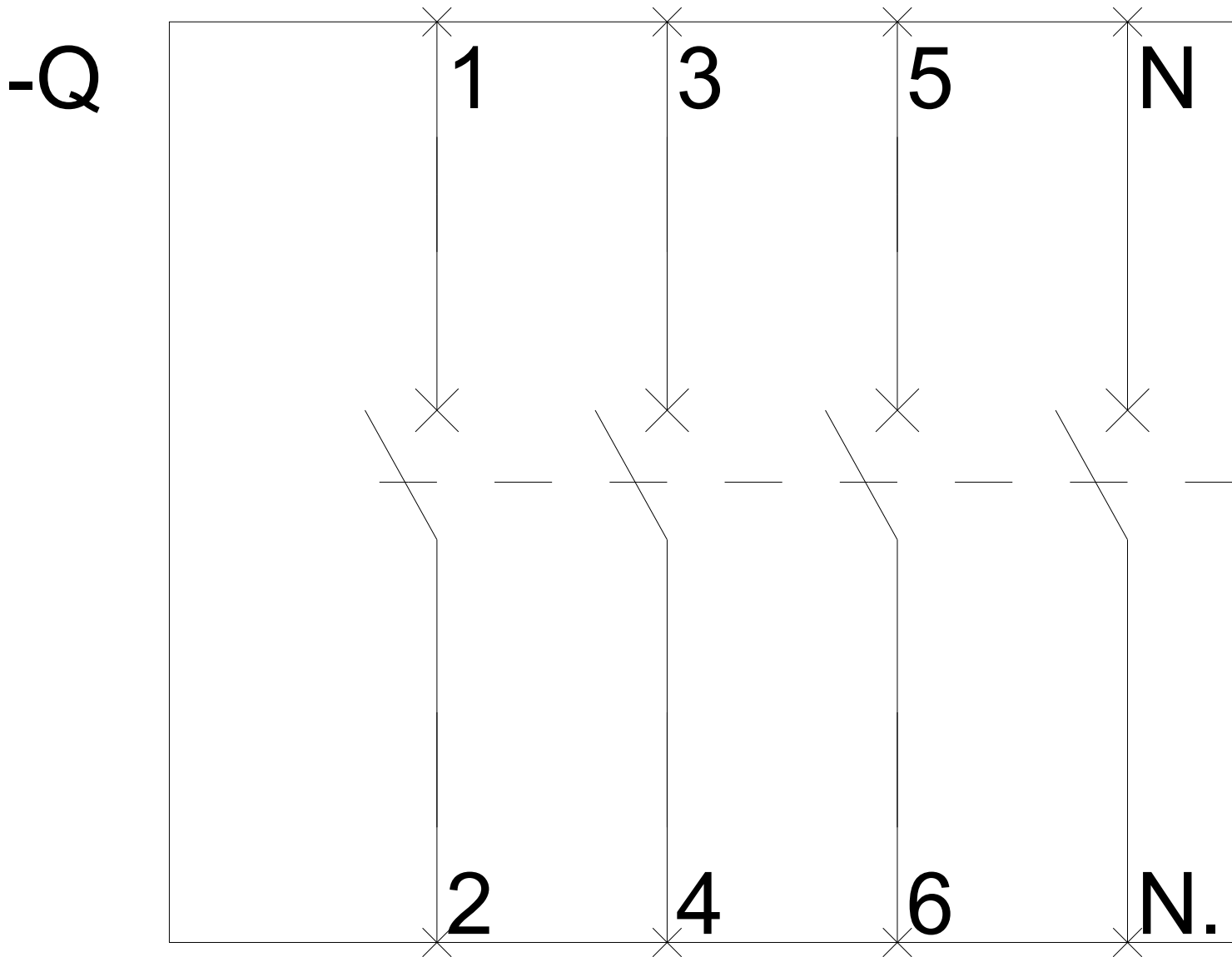
<http://www.siemens.com/cax>

**Tender specifications**

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







**last modified:**

06/29/2018