

SWITCH DISCONNECTOR 3VA1 IEC FRAME 160 4-POLE SD100, IN=100A WITHOUT OVERLOAD PROTECTION WITHOUT SHORT CIRCUIT PROT. BUSBAR CONNECTION UNDERVOLTAGE RELEASE (UVR) 120-127 V AC 50/60 HZ 2 AUXILIARY SWITCH HQ 1 TRIP ALARM SWITCH HQ



Model	
product brandname	SETRON
Product designation	Switch disconnecter
Design of the product	in MCCB design
Number of poles	4
Design of the auxiliary release	Undervoltage release (UVR)
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	100 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> </ul>	Yes
<ul style="list-style-type: none"> <li>• Voltage trigger</li> </ul>	No
<ul style="list-style-type: none"> <li>• undervoltage release with leading contact</li> </ul>	No
<ul style="list-style-type: none"> <li>• Trip indicator</li> </ul>	Yes
Number of CO contacts / for auxiliary contacts	3

### 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> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	70 °C
<ul style="list-style-type: none"> <li>• during storage / minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• during storage / maximum</li> </ul>	80 °C

### Certificates

Equipment marking / acc. to DIN EN 81346-2	Q
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General Product Approval	EMC	Declaration of Conformity	Test Certificates	Shipping Approval
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Shipping Approval	other
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## 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/3VA1110-1AA42-0CH0>

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

<http://support.automation.siemens.com/WW/view/en/3VA1110-1AA42-0CH0/all>

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

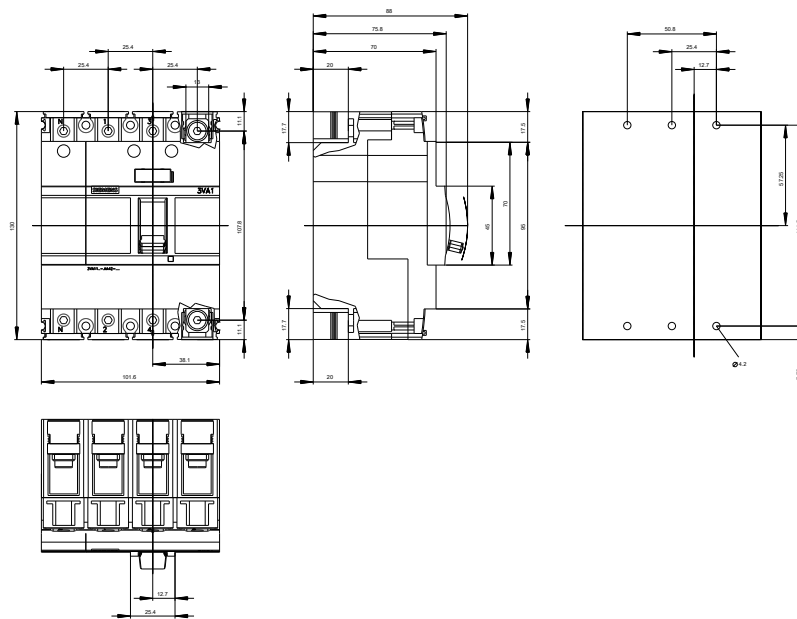
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3VA1110-1AA42-0CH0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VA1110-1AA42-0CH0)

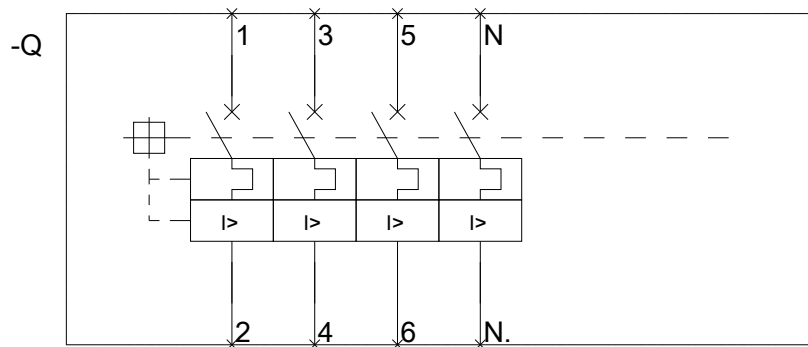
### CAX-Online-Generator

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

### Tender specifications

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





last modified:

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