



switch disconnector 3VA1 IEC frame 160 4-pole SD100, In=160A without overload protection w/o short-circuit protection clamp connection undervoltage release (UVR) 24V DC 2 auxiliary switches HQ 1 short circuit alarm switch HQ

Model	
product brand name	SENTRON
product designation	molded-case circuit breaker
Product version	line protection
number of poles	3
General technical data	
rated insulation voltage Ui	800 V
Max. rated operational voltage Ue with DC	600 V
mechanical service life (switching cycles) / typical	15 000
product function / communication function	No
Net Weight	1,266 kg
Current	
operational current	
• at 40 °C	32 A
• at 45 °C	32 A
• at 50 °C	32 A
• at 60 °C	31 A
• at 65 °C	30 A
• at 70 °C	30 A
Mechanical Design	
Height	130 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	box terminal
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	silver
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	Tin
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	

General Product Approval	EMC	Test Certificates
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[Miscellaneous](#)



[Special Test Certificate](#)

Test Certificates	Marine / Shipping
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[Miscellaneous](#)



Marine / Shipping	other
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[CCS / China Classification Society](#)

[Miscellaneous](#)

[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=3VA1116-1AA46-0BM0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1116-1AA46-0BM0>

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

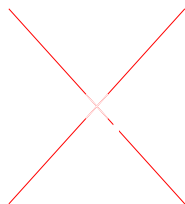
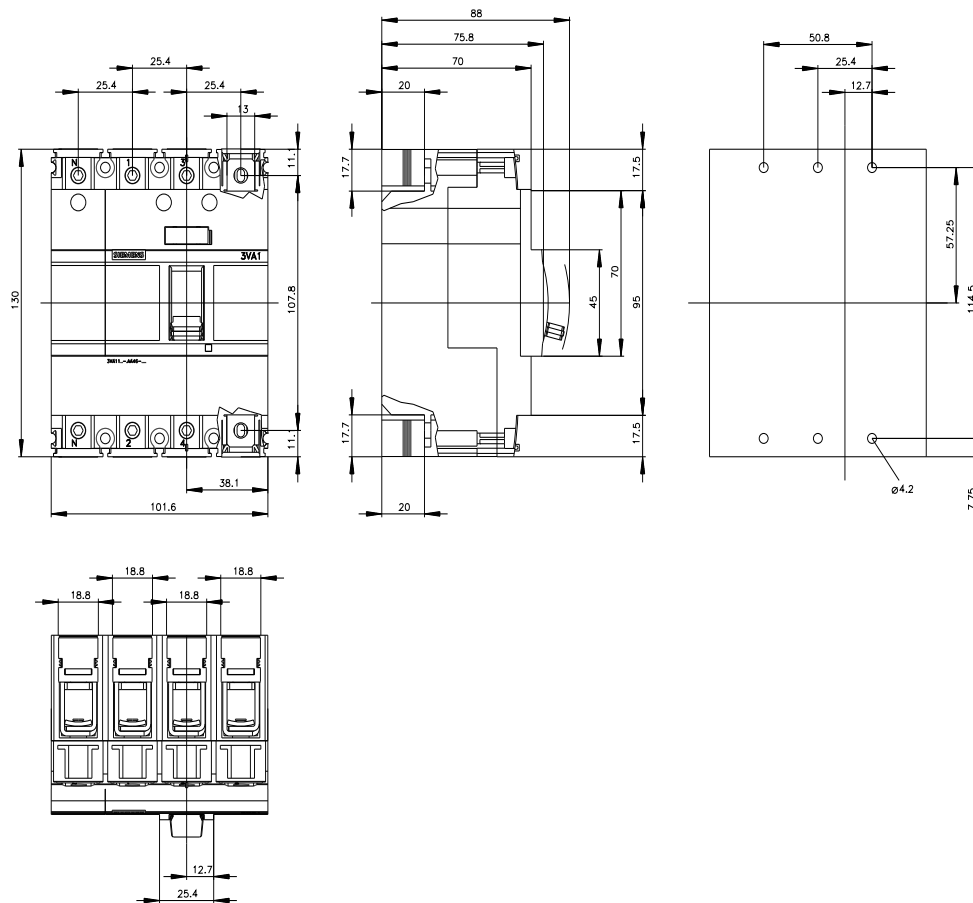
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1116-1AA46-0BM0

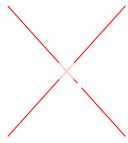
CAX-Online-Generator

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

Tender specifications

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





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