



switch disconnecter 3VA1 IEC frame 160 4-pole SD100, In=125A without overload protection w/o short-circuit protection nut keeper kit

Model	
product brand name	SENTRON
product designation	Switch disconnecter
Product version	in MCCB design
number of poles	4
design of the auxiliary release	without
Auxiliary contact version	Without
General technical data	
Tension assignée d'isolement Ui	800 V
Max. rated operational voltage Ue with DC	600 V
power loss [W] / maximum	38 W
mechanical service life (switching cycles) / typical	15 000
product function / communication function	No
net weight	1 100 g
Current	
operational current	
• at 40 °C	125 A
• at 45 °C	125 A
• at 50 °C	125 A
• at 55 °C	125 A
• at 60 °C	125 A
• at 65 °C	125 A
• at 70 °C	125 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	No
• undervoltage release with leading contact	No
• trip indicator	No

number of CO contacts / for auxiliary contacts	0	
<b>Accessories</b>		
product extension / optional / motor drive	Yes	
<b>Environmental conditions</b>		
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	
<b>Certificates</b>		
reference code / acc. to IEC 81346-2	Q	
<b>General Product Approval</b>	<b>EMC</b>	<b>Declaration of Conformity</b>



[Miscellaneous](#)



<b>Test Certificates</b>	<b>Shipping Approval</b>
<a href="#">Miscellaneous</a>	<a href="#">Special Test Certificate</a>
	   
<b>Shipping Approval</b>	<b>other</b>

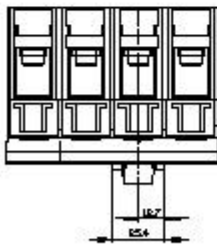
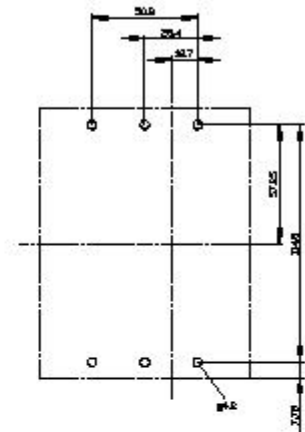
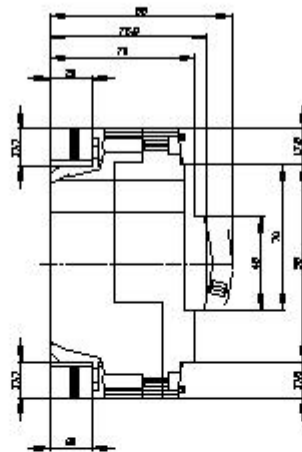
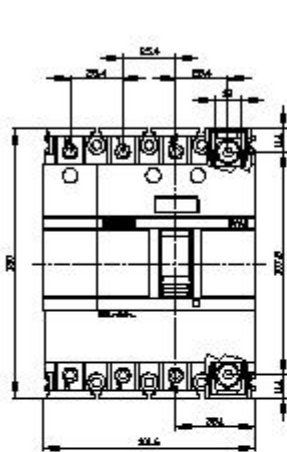
[CCS / China Classification Society](#)

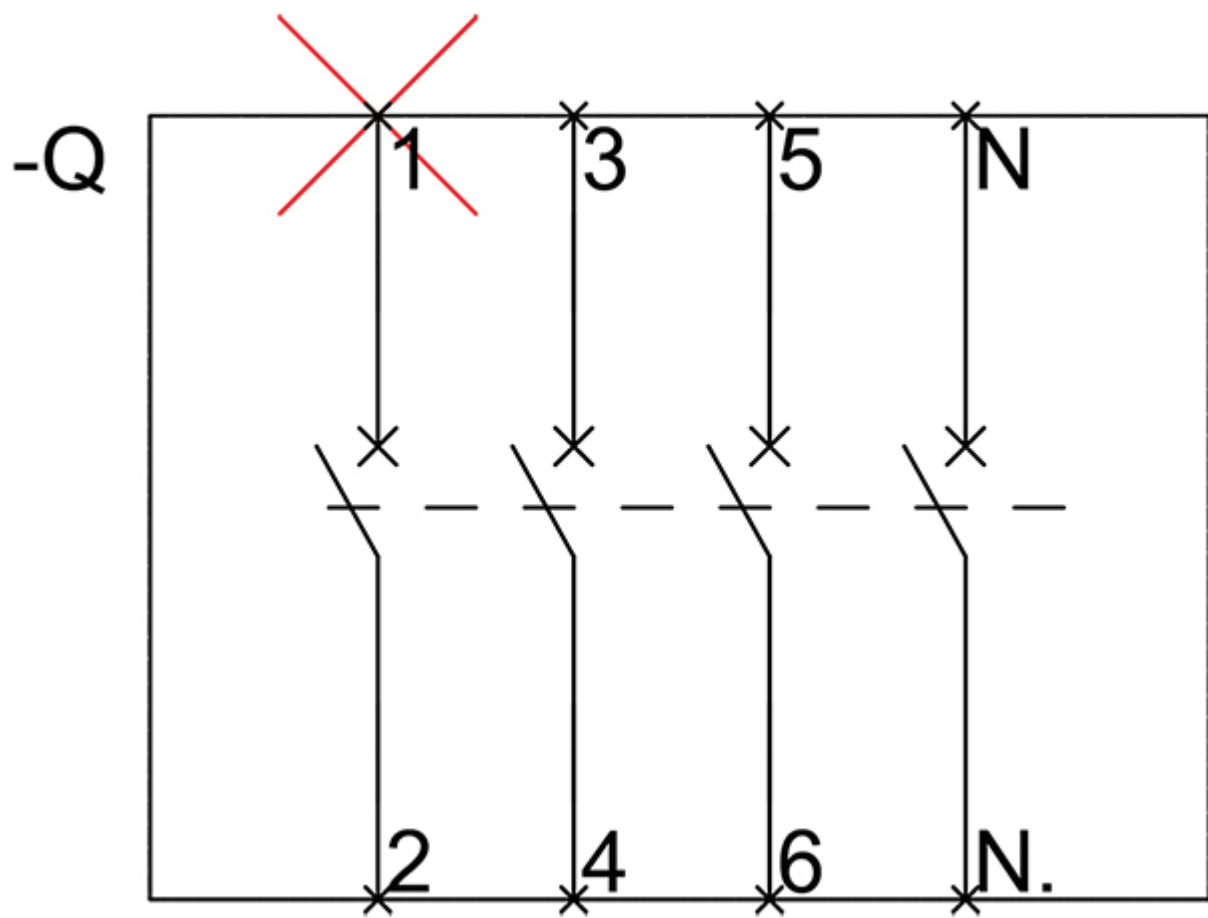
[Manufacturer Declaration](#)

[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=3VA1112-1AA42-0AA0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3VA1112-1AA42-0AA0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA1112-1AA42-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1112-1AA42-0AA0)
- Tender specifications**  
<http://www.siemens.com/specifications>





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