

SWITCH DISCONNECTOR 3VA1 IEC FRAME 160 4-POLE SD100,  
IN=125A WITHOUT OVERLOAD PROTECTION WITHOUT SHORT  
CIRCUIT PROT. CABLE CONNECTION

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 $I_u$	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	Terminal 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

## 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
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CCC



RCM



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)

## Shipping Approval

other



ABS



GL



LRS



RMRS

[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=3VA1112-1AA46-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1112-1AA46-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA1112-1AA46-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1112-1AA46-0AA0)

**CAX-Online-Generator**

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

**Tender specifications**

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

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