



switch disconnecter 3VA1 IEC frame 160 4-pole SD100, In=100A without overload protection w/o short-circuit protection nut keeper kit

Model	
product brand name	SETRON
product designation	Molded case circuit breaker
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	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	600 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	38 W
mechanical service life (operating cycles) / typical	15 000
product function / communication function	No
Net Weight	1.154 kg
Current	
operational current	
• at 40 °C	100 A
• at 45 °C	100 A
• at 50 °C	100 A
• at 55 °C	100 A
• at 60 °C	100 A
• at 65 °C	100 A
• at 70 °C	100 A
Mechanical Design	
product component	
• undervoltage release	No
• voltage trigger	No
• undervoltage release with leading contact	No
• trip indicator	No
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
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

<b>Auxiliary circuit</b>	
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>Environmental footprint</b>	
Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO2 eq] / total	190 kg
Global Warming Potential [CO2 eq] / during manufacturing	4.67 kg
Global Warming Potential [CO2 eq] / during operation	186 kg
Global Warming Potential [CO2 eq] / after end of life	-0.826 kg
reference code / according to IEC 81346-2	Q

<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	



[Confirmation](#)



[Miscellaneous](#)

General Product Approval	EMV	Test Certificates	Marine / Shipping	
		<a href="#">Special Test Certificate</a>	<a href="#">Miscellaneous</a>	

Marine / Shipping	other			
			<a href="#">CCS (China Classification Society)</a>	<a href="#">Miscellaneous</a> <a href="#">Confirmation</a>

other	Environment			
<a href="#">Miscellaneous</a>			<a href="#">Environmental Confirmations</a>	<a href="#">Environmental Confirmations</a>

<b>Further information</b>	
Information on the packaging <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>	
Information- and Downloadcenter (Catalogs, Brochures,...) <a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a>	
Industry Mall (Online ordering system) <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1110-1AA42-0AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1110-1AA42-0AA0</a>	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/3VA1110-1AA42-0AA0">https://support.industry.siemens.com/cs/ww/en/ps/3VA1110-1AA42-0AA0</a>	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1110-1AA42-0AA0">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1110-1AA42-0AA0</a>	
CAx-Online-Generator <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>	
Tender specifications <a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a>	





