SIEMENS

Data sheet

3VA1110-1AA42-0AA0



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

Model			
product brand name	SENTRON		
	SENTRON		
product designation	Switch disconnector		
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) $% \left(1, 2, 2, 4, 6 \right)$	Tin		
Auxiliary circuit			

number of CO contacts	/ for auxiliary contacts		0			
Accessories						
product extension / optic	onal / motor drive		Yes			
Environmental condition	าร					
protection class IP / on t	the front		IP40			
ambient temperature						
during operation / minimum		-25 °0	C			
	during operation / maximum		70 °C			
 during storage / n 		-40 °C		C		
 during storage / n 	naximum	80 °C				
Environmental footprint						
Environmental Product	Declaration(EPD)	Yes				
Global Warming Potenti	al [CO2 eq] / total	190 kg		g		
Global Warming Potenti	Global Warming Potential [CO2 eq] / during manufacturing 4.67 kg		kg			
Global Warming Potenti	bal Warming Potential [CO2 eq] / during operation 186 kg		g			
	al [CO2 eq] / after end of		-0.82	6 kg		
reference code / accord			Q			
Approvals / Certificates						
General Product Appr	oval					
UK CA	EG-Konf.					
General Product Ap- proval	EMC	Test Certificate	es		Marine / Shipping	
EHC	RCM	<u>Special Test Ce</u> <u>ate</u>	<u>ertific-</u>	<u>Miscellaneous</u>	ABS	BUREAU VERITAS
Marine / Shipping					other	
	Lloyd's Register us	KMRS		CCS / China Classific- ation Society	<u>Miscellaneous</u>	<u>Confirmation</u>
other	Environment					
<u>Miscellaneous</u>	Environmental Con- firmations					
Further information						

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3VA1110-1AA42-0AA0

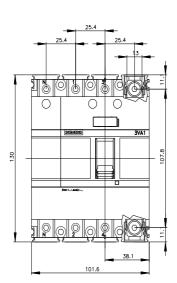
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

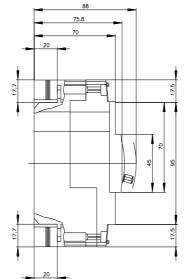
https://support.industry.siemens.com/cs/ww/en/ps/3VA1110-1AA42-0AA0

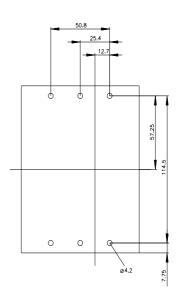
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

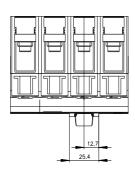
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1110-1AA42-0AA0

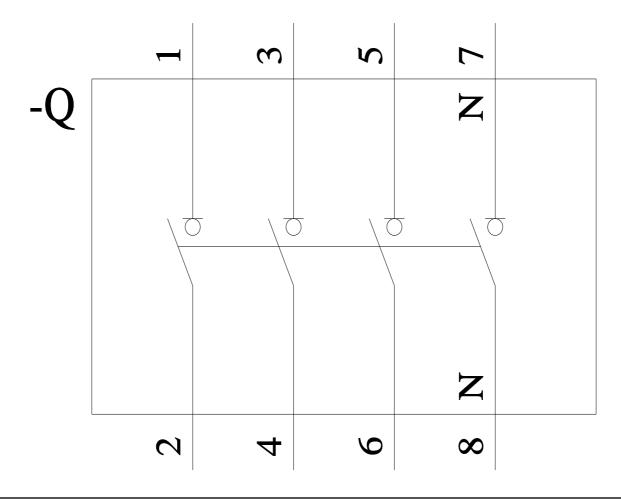
CAx-Online-Generator











last modified:

11/1/2023 🖸