SIEMENS

Data sheet

3VA1225-1AA42-0AA0

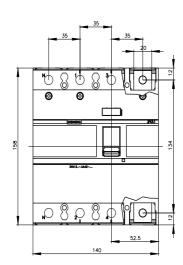


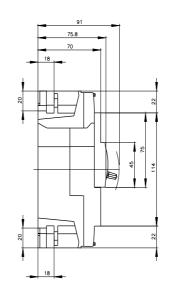
switch disconnector 3VA1 IEC frame 250 4-pole SD100, In=250A without overload protection w/o short-circuit protection nut keeper kit

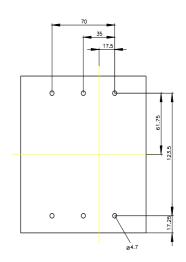
Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	in MCCB design
number of poles	4
design of the auxiliary release	without
design of the auxiliary switch	Without
General technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	600 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	57 W
mechanical service life (operating cycles) / typical	15 000
product function / communication function	No
Net Weight	1.982 kg
Current	
operational current	
• at 40 °C	250 A
● at 45 °C	250 A
• at 50 °C	250 A
● at 55 °C	243 A
• at 60 °C	237 A
● at 65 °C	230 A
• at 70 °C	223 A
let-through I2t value / at AC-23 B	
• at 400 V / maximum permissible	1 810 000 A ² ·s
• at 500 V / maximum permissible	1 660 000 A ² ·s
• at 690 V / maximum permissible	1 140 000 A²·s
let-through current (Ic) / at AC-23 B	
• at 400 V / maximum permissible	29 kA
• at 500 V / maximum permissible	18.7 kA
• at 690 V / maximum permissible	14.9 kA
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
 undervoltage release with leading contact 	No
trip indicator	No
height	158 mm
width	140 mm

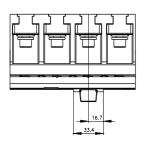
depth			70 mr	n		
Connections						
arrangement of electrica	al connectors / for main c	urrent circuit	Front	terminal		
type of electrical connection / for main current circuit			busbar connection			
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)		silver				
design of the surface / of the connections / on the bottom of the switch $(N, 2, 4, 6)$		Silver				
Auxiliary circuit						
number of CO contacts	/ for auxiliary contacts		0			
Accessories						
product extension / option	onal / motor drive		Yes			
Environmental condition	ns					
protection class IP / on t	the front		IP40			
ambient temperature						
 during operation 	/ minimum		-25 °C	5		
 during operation / 			70 °C			
 during storage / n 			-40 °C	0		
 during storage / n 			80 °C			
reference code / accord			Q			
Approvals / Certificates	-					
General Product Appr	oval					
UK CA	EG-Konf.			CCC	VDE	
General Product Ap- proval	EMV	Test Certificate	es			Marine / Shipping
EHC	RCM	<u>Type Test Cer</u> ates/Test Rep	<u>tific-</u> <u>port</u>	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	ABS
Marine / Shipping					other	
BUREAU VERITAS		Lloyds Register us		RMRS	<u>Miscellaneous</u>	Confirmation
other	Environment					
<u>Miscellaneous</u>	EPD	Environmental firmations		Environmental Con- firmations		

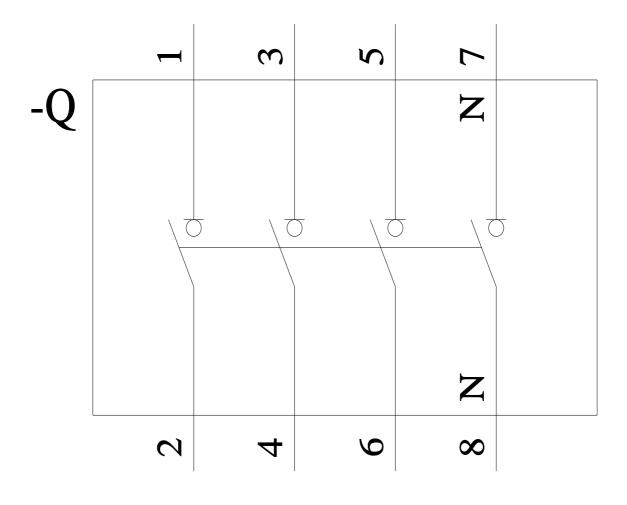
Further information
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1225-1AA42-0AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3VA1225-1AA42-0AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1225-1AA42-0AA0
CAx-Online-Generator http://www.siemens.com/cax
Tender specifications











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