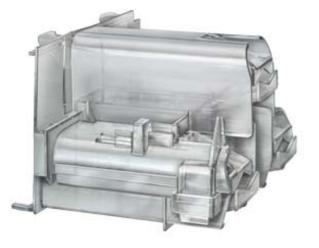
SIEMENS

Data sheet

3KA5530-1AE01

SWITCH DISCONNECTOR NEW DESIGN IU=250A, UE=690V, 3-POLE BASIC VERSION WITHOUT 8UC6 HANDLE AND SHAFT



Model				
product brandname	SENTRON			
Product designation	Switch Disconnector 3KA			
Design type	For mounting and installation			
Design of the operating mechanism	manual operating mechanism			
Design of the load switch / Strip form	No			
Type of the driving mechanism / motor drive	No			
Type of device	fixed mounting			
Protection against electrical shock	finger-safe			
Type of voltage	AC/DC			
Insulation voltage / rated value	1 000 V			
Protection class				
Protection class IP	IP00			
Dissipation				
Power loss [W]				
 for rated value of the current / at AC / in hot operating state / per pole 	11 W			
• maximum	33 W			

Electricity Let-through current / I2 t / maximum permissible / in	1 000 000 A ² ·s
utilization category / AC-22 B / at 400 V	
Main circuit	
Number of poles / for main current circuit	3
Operating power	
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	132 000 W
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	132 000 W
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	185 000 W
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
 at DC / rated value 	440 V
Rated current le / maximum / in utilization category	
• AC-21 A / at 400 V	250 A
• AC-21 A / at 500 V	250 A
• AC-21 B / at 400 V	250 A
• AC-21 B / at 500 V	250 A
• AC-22 A / at 400 V	250 A
• AC-22 A / at 500 V	250 A
• AC-22 B / at 400 V	250 A
• AC-22 B / at 500 V	250 A
Short circuit	
Maximum short-circuit current breaking capacity (Icu) / at 400 V / rated value	120 kA
Conditional rated short-circuit current	
• 400V	100 kA
• 500V	100 kA
• in utilization category / AC-21 A / at 400 V	100 kA
• in utilization category / AC-21 A / at 500 V	100 kA
• in utilization category / AC-21 B / at 400 V	100 kA
• in utilization category / AC-21 B / at 500 V	100 kA
• in utilization category / AC-22 A / at 400 V	100 kA
• in utilization category / AC-22 A / at 500 V	100 kA
• in utilization category / AC-22 B / at 400 V	100 kA
• in utilization category / AC-22 B / at 500 V	100 kA
Connections	
Connectable conductor cross-section	
• for main contacts	
— stranded / maximum	150 mm²
Type of connection, main circuit	Flat-type screw terminal
Type of electrical connection	

•	for	main	current	circuit
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flat connector

Aechanical Desigr	ı					
Height			160	160 mm		
Width			240	mm		
Depth			207	mm		
Type of mounting			fixed mounted			
Mounting position		any				
Mounting type			floor mounting			
Mounting type						
 front mounting 	g with 4-hole attachme	ent	No			
 front mounting with central attachment 		No				
 rail mounting 			No			
			_			
Environmental con			_	_		_
Ambient temperatu			05.00			
 during operat 			-25 °C			
 during operation / maximum 		55 °C				
 during storage / minimum 		-50 °C				
 during storage / maximum 		80 °C				
						_
Certificates Equipment marking	-			_		
equipment marking e acc. to DIN EN 61346-2		Q				
			Q			
General	Declaration of	Test		Shipping	other	
Product	Conformity	Certificates	3	Approval		
Approval						
		Special Te	_		Miscellaneous	
(Uı)		Certificate	2	GL®		

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

EG-Konf.

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KA5530-1AE01

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3KA5530-1AE01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5530-1AE01

CAx-Online-Generator http://www.siemens.com/cax

Tender specifications http://www.siemens.com/specifications GL