

SWITCHGEAR

S5000 - DC

Technical information

According to:				Switch S5000 DC up to 900 Vdc												
IEC-EN-UNE 60947-1																
IEC-EN-UNE 60947-3																
Size				00		0		1		2		3				
Code				S5-00804PB0		S5-01604PB0/PS0		S5-02504PR0		S5-06304PR0		S5-08004PR0				
				80		160		250		630		800				
Rated thermal current	I _{th}	in ambient at:	40° C	A	80		160		250		630		800			
			50° C	A	80		160		250		630		800			
			65° C	A	56		110		175		440		560			
Rated insulation voltage DC20				U _i	V	800		1000		1000		1000				
Rated dielectric strength				50 Hz., 1 min.		V	3500		4000		5000		8000			
Rated impulse withstand voltage				U _{imp}	kV	8		8		8		12				
				U _e												
Rated operational current ^{*(1)}	I _e	400 Vdc		A	DC21B	30	DC21B	105	DC22A	250	DC22A	630	DC22A	800		
		600 Vdc		A	DC21B	20	DC21B	65	DC22A	250	DC22A	400	DC22A	800		
		800 Vdc		A	DC21B	12,5	DC21B	50	DC22A	225	DC22A	280	DC22A	625		
		900 Vdc		A	--	--	DC21B	40	DC22A	175	DC22A	200	DC22A	500		
Short - circuit behaviour																
Short - circuit making capacity ^{*(2)}				I _{cm}	kA peak)	5		13		20		26		60		
Maximum power disipation						A ² s (x 10 ³)	57,7		198		1000		1600		4900	
Minimum number of mechanical operations ^{*(3)}						Cycles	30000		30000		20000		10000		10000	
Minimum number of electrical operations						Cycles	DC21B 800V	300	DC21B 900V	300	DC22A 900V	1000	DC22A 900V	1000	DC22A 900V	1000
Maximum weight (4 Poles - without jumpers)						Kg	0,4		1		1,9		4,5		7,6	
Connecting capacity																
Rigid cable (Cu)						mm ²	25		95		185		2x240		2x240	
Bar (Thickness / Width)						mm	--		5/25		7/25		2x5/40		2x10/50	
Tightening torque						Nm	2		4/13 ^{*(4)}		18		24		45	

*⁽¹⁾ Other voltages and / or utilization categories; please consult.

*⁽²⁾ Without limiting protective device (short-circuit maintained 50 ms. - 100 ms.).

*⁽³⁾ Please consult us for more operations.

*⁽⁴⁾ Pillar / Lug type terminal.

Approvals



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