



Data sheet:

DC-Load break switch

Model S5000 – 500A 1000V DC21B



Electrical data (according to IEC 60947-3)

Thermal current I_{th} (40 °C)	800A
Rated insulation voltage U _i (V)	1000
Rated impulse withstand voltage U _{imp} (kV)	12

DC Rated operational current I_e (A)

Voltage (DC)	Category of operation	I _e
400 V	DC21B	800
600 V	DC21B	700
800 V	DC21B	630
900 V	DC21B	550
1000 V	DC21B	500

Standards. IEC 60947-1&3

Short-circuit behaviour

Short-circuit making capacity (peak value)	I _{cm}	26kA
Short-time withstand current (1 sec) (rms)	I _{cw}	16kA
Conditional short-circuit current (rms value)		100kA
Maximum cut-off current (peak value)		39kA

Quality Telergon, S.A.U.

ISO 9001 & 14001	TÜVRheinland®
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Testing as per IEC 60947-3

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Connection capacity

Bar (Thickness / Width) (mm)	2*5/40
Rigid cable (mm ²)	2*240
Max. Connecting copper bar (mm)	240
Tightening torque (N·m)	24

Codes

Case size (A)	Poles	Code	Code for direct handle
Size 1	4P	S5-08004PC0	DS-EI21

Mechanical data

Minimum number of operations (as per standard) without load	10000
Maximum weight (4 pole molded case) (kg)	4,5

- Accessories:** Panel handle - DS-EN21
 Bridging links - DS-PI21
 Protective plate - DS-CU22
 Auxiliary contact - D5LAU01