



**Data sheet:**  
**DC-Load break switch**  
**Model S5000 – 250A 1000V DC21B**



**Electrical data (according to IEC 60947-3)**

<b>Thermal current I<sub>th</sub> (40 °C)</b>	<b>315A</b>
Rated insulation voltage U <sub>i</sub> (V)	1000
Rated impulse withstand voltage U <sub>imp</sub> (kV)	8

**DC Rated operational current I<sub>e</sub> (A)**

Voltage (DC)	Category of operation	I <sub>e</sub>
400 V	DC21B	315
600 V	DC21B	315
800 V	DC21B	280
900 V	DC21B	260
1000 V	DC21B	250

**Standards. IEC 60947-1&3**

**Quality Telergon, S.A.U.**

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

Arsenal Research	 <b>arsenal research</b> <i>Ein Unternehmen der Austrian Research Centers</i>
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**Short-circuit behaviour**

Short-circuit making capacity (peak value)	I <sub>cm</sub>	20kA
Short-time withstand current (1 sec) (rms)	I <sub>cw</sub>	12kA
Conditional short-circuit current (rms value)		100kA
Maximum cut-off current (peak value)		33kA

**Connection capacity**

Bar (Thickness / Width) (mm)	7/25
Rigid cable (mm <sup>2</sup> )	185
Max. Connecting copper bar (mm)	25
Tightening torque (N·m)	18

**Mechanical data**

Minimum number of operations (as per standard) without load	20000
Maximum weight (4 pole molded case) (kg)	1,9

**Codes**

Case size (A)	Poles	Code	Code for direct handle
Size 1	4P	S5-03154PR0	DS-EI11

- Accessories:** Panel handle - DS-EN11  
Bridging links - DS-PI11  
Protective plate - DS-CU12  
Auxiliary contact - D5LAU01