



Data sheet:
DC-Load break switch
Model S5000 – 160A 1000V DC21B



Electrical data (according to IEC 60947-3)

| | |
|---|-------------|
| Thermal current I_{th} (40 °C) | 200A |
| Rated insulation voltage U _i (V) | 1000 |
| Rated impulse withstand voltage U _{imp} (kV) | 8 |

DC Rated operational current I_e (A)

| Voltage (DC) | Category of operation | I _e |
|--------------|-----------------------|----------------|
| 400 V | DC21B | 200 |
| 600 V | DC21B | 200 |
| 800 V | DC21B | 180 |
| 900 V | DC21B | 160 |
| 1000 V | DC21B | 160 |

Standards. IEC 60947-1&3

Quality Telergon, S.A.U.

| | |
|------------------|---|
| ISO 9001 & 14001 |  TÜVRheinland® |
|------------------|---|

Testing as per IEC 60947-3

| | |
|------------------|--|
| Arsenal Research |  arsenal research <i>Ein Unternehmen der Austrian Research Centers</i> |
|------------------|--|

Short-circuit behaviour

| | | |
|---|-----------------|-------|
| Short-circuit making capacity (peak value) | I _{cm} | 20kA |
| Short-time withstand current (1 sec) (rms) | I _{cw} | 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 ²) | 185 |
| Max. Connecting copper bar (mm) | 25 |
| Tightening torque (N·m) | 13 |

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 | S5-02004PR0 | DS-EI11 |

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