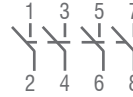


SIM25-DB-4



Key Features

- Modular DC Switch, 25A
- 600VDC, 25A
- Lever Handle
- IP40
- 4 Pole, 2 Strings



Technical Data for DC according to IEC 60947-3

| Main Contacts | DC | Units | SIM25 (DC-PV1) | SIM25 (DC-PV2) |
|--|-----------------|-----------------|--|----------------|
| Rated Thermal Current I_{th} | | A | 25 | |
| Rated Insulation Voltage $U_I^{(1)}$ | | V | 1000 | |
| Rated Insulation Voltage $U_I^{(2)}$ | | V | 1500 | |
| Distance of Contacts (per pole) | | mm | 8 | |
| 2 poles in series | 500V | A | 25 | 25 |
| Rated Operational Current I_c | 600V | A | 25 | 21 |
| | 700V | A | 25 | 19 |
| | 800V | A | 20 | 15 |
| | 900V | A | 17 | 10 |
| | 1000V | A | 11.5 | 5 |
| | 1100V | A | 10 | 4 |
| | 1200V | A | 8.5 | 3 |
| | 1300V | A | 7 | 2 |
| | 1400V | A | 6 | 2 |
| | 1500V | A | 5 | 5 |
| Rated Operational Current I_c AC21B | U_g max. 440V | A | 25 | |
| Rated Conditional Short Circuit Current Max. Fuse Size | gL (gG) | kA_{eff} A | 5 63 | |
| Mechanical Life | | Ops | 10,000 | |
| Rated Short-time Withstand Current (1s) | | A | 900 | |
| Short Circuit Making Capacity | | A | 900 | |
| Maximum Cable Cross Section (Including Jumper SIMV-B1) | | | | |
| Solid Stranded | | mm ² | 1.5 - 10 | |
| Flexible | | mm ² | 1.5 - 6 | |
| Flexible (+ Multicore Cable End) | | mm ² | 1.5 - 6 | |
| Size of Terminal Screw | | | M3.5 Pz1 | |
| Tightening Torque | | | 1.4 | |
| 2 Cables per Clamp Without Jumper SIMV-B1 | | | | |
| Solid or Stranded | | mm ² | 2 x 0.5mm ² to 2 x 6mm ² | |
| Maximum Ambient Temperature | | | | |
| Operation Open | | °C | -40 to +65 | |
| Storage | | °C | -50 to +90 | |
| Contact Resistance per Pole | | mΩ | 1.75 | |

1) Suitable at overvoltage category I to III, pollution degree 3 (standard-industry): $U_{imp} = 8kV$.
 2) Suitable at overvoltage category I to III, pollution degree 2 (min. IP55): $U_{imp} = 8kV$.

Technical Data for DC according to UL508i, File No.: E362605

| Main Contacts | DC | Units | SIM25 |
|---|------|---------|----------|
| Ampere-Rating "General Use" | 350V | A | 25 |
| | 500V | A | 25 |
| | 600V | A | 25 |
| Maximum cable cross sections (Including Jumper SIMV-B1/B2) | | | |
| Solid | | AWG | 16-10 |
| Stranded | | AWG | 20-6 |
| Size of Terminal Screw | | | M3.5 Pz1 |
| Tightening Torque | | lb.inch | 12.4 |

SIM25-DB-4



Technical Datasheet

Dimensions (mm)

