

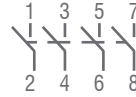
SIM16-DB-4




Technical Datasheet

Key Features

- Modular DC Switch, 16A
- 600VDC, 16A
- Lever Handle
- IP40
- 4 Pole, 2 Strings



Technical Data for DC according to IEC 60947-3

Main Contacts	DC	Units	SIM16 (DC-PV1)	SIM16 (DC-PV2)
Rated Thermal Current I_{th}		A	16	
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	16	16
Rated Operational Current I_o 	600V	A	16	14
	700V	A	16	13
	800V	A	16	12
	900V	A	16	8
	1000V	A	10	4
	1100V	A	8	3
	1200V	A	7	2
	1300V	A	6	1.5
	1400V	A	5	1
	1500V	A	3	1
Rated Operational Current I_o AC21B	U_o max. 440V	A	16	
Rated Conditional Short Circuit Current		kA _{eff}	5	
Max. Fuse Size	gL (gG)	A	40	
Mechanical Life		Ops	10,000	
Rated Short-time Withstand Current (1s)		A	800	
Short Circuit Making Capacity		A	800	
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	SIM16
Ampere-Rating "General Use"	350V	A	16
	500V	A	16
	600V	A	16
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

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Dimensions (mm)

