




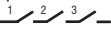
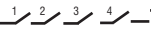


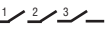
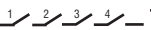
Emergency Stop Rotary Switch - Lockable Off in Plastic Enclosure



- Emergency Stop Lever Actuator Switch
- Lockable Off
- Plastic Enclosure
- IP65
- NEMA Type 1

DC21B Rating							Poles in series	Number of Strings	Weight kg/pcs.	Part Number	Contact Configuration
600V	700V	800V	900V	1000V	1200V	1500V					
12A	12A	10A	9A	6A	4A	1A	2	1	0.39	SI12 ES-PEL 2	
16A	16A	16A	13A	9A	6A	3A	2	1	0.39	SI16 ES-PEL 2	
20A	20A	18A	14A	10A	7A	4A	2	1	0.39	SI16 ES-PEL 2	
25A	23A	20A	16A	11A	8A	4A	2	1	0.39	SI25 ES-PEL 2	
32A	27A	23A	20A	13A	10A	5A	2	1	0.39	SI32 ES-PEL 2	
29A	16A	16A	13A	9A	6A	3A	2	1	0.45	SI16 ES-PEL 2H	
45A	23A	20A	16A	11A	8A	4A	2	1	0.45	SI25 ES-PEL 2H	
50A	27A	23A	20A	13A	10A	5A	2	1	0.45	SI32 ES-PEL 2H	
12A	12A	10A	9A	6A	4A	1A	2	2	0.42	SI12 ES-PEL 4	
16A	16A	16A	13A	9A	6A	3A	2	2	0.42	SI16 ES-PEL 4	
20A	20A	18A	14A	10A	7A	4A	2	2	0.42	SI20 ES-PEL 4	
25A	23A	20A	16A	11A	8A	4A	2	2	0.42	SI25 ES-PEL 4	
32A	27A	23A	20A	13A	10A	5A	2	2	0.42	SI32 ES-PEL 4	
16A	16A	16A	16A	16A	16A	16A	4	1	0.43	SI16 ES-PEL 4S	
25A	25A	25A	25A	25A	25A	20A	4	1	0.43	SI25 ES-PEL 4S	
32A	32A	32A	32A	32A	32A	23A	4	1	0.43	SI32 ES-PEL 4S	
16A	16A	16A	16A	16A	16A	16A	4	1	0.43	SI16 ES-PEL 4T	
25A	25A	25A	25A	25A	25A	20A	4	1	0.43	SI25 ES-PEL 4T	
32A	32A	32A	32A	32A	32A	23A	4	1	0.43	SI32 ES-PEL 4T	
16A	16A	16A	16A	16A	16A	16A	4	1	0.43	SI16 ES-PEL 4B	
25A	25A	25A	25A	25A	25A	20A	4	1	0.43	SI25 ES-PEL 4B	
32A	32A	32A	32A	32A	32A	23A	4	1	0.43	SI32 ES-PEL 4B	

Technical Data

Main Contacts		Unit	SI12	SI16	SI20	SI25	SI32	
Rated thermal current I_{th}		A	12	16	20	25	32	
Rated insulation voltage U_i 1)		V	1000	1000	1000	1000	1000	
Rated insulation voltage U_i 2)		V	1500V	1500V	1500V	1500V	1500V	
Contact distance (per pole)		mm	8	8	8	8	8	
Rated operational current I_o								
DC21B L/R+ 1ms	1 pole 	500V	A	6	9	10	11	13
		600V	A	4	6	7	8	10
		800V	A	2	3	3.5	4	5
		1000V	A	1	1.5	1.75	2	2.5
	2 pole in series 	500V	A	12	16	20	25	32
		600V	A	12	16	20	25	32
		700V	A	12	16	20	23	27
		800V	A	10	16	18	20	23
		900V	A	9	13	14	16	20
		1000V	A	6	9	10	11	13
		1200V	A	-	6	-	8	10
		1500V	A	-	3	-	4	5
	2 poles in series +2 poles parallel 	500V	A	-	29	-	45	58
		600V	A	-	29	-	45	50
		700V	A	-	16	-	23	27
		800V	A	-	16	-	20	23
		900V	A	-	13	-	16	20
		1000V	A	-	9	-	11	13
		1200V	A	-	6	-	8	10
		1500V	A	-	3	-	4	5
	3 poles in series 	500V	A	12	16	20	25	32
		1000V	A	12	16	20	25	32
		1200V	A	-	12	-	14	16
		1500V	A	-	9	-	11	13
	4 poles in series 	500V	A	12	16	20	25	32
		600V	A	12	16	20	25	32
		700V	A	12	16	20	25	32
		800V	A	12	16	20	25	32
900V		A	12	16	20	25	32	
1000V		A	12	16	20	25	32	
1200V		A	-	16	-	25	32	
1500V		A	-	16	-	20	23	
Rated operational current I_o								
	1 pole 	500V	A	0.75	1	1.5	1.25	1.5
		600V	A	0.3	0.5	0.6	0.75	1
		800V	A	0.25	0.3	0.35	0.4	0.5
		1000V	A	0.5	0.15	0.15	0.2	0.25
	2 poles in series 	500V	A	5	7	7.5	8	9
		600V	A	4	5.5	5.75	6	6.5
		800V	A	1	2	2.25	2.5	3
	3 poles in series 	1000V	A	0.5	1	1.25	1.5	2
		500V	A	12	16	20	25	27
		600V	A	12	16	20	23	25
	4 poles in series 	800V	A	5	6.5	6.75	7	7.5
		1000V	A	4.5	5.5	5.75	6	6.5
		500V	A	12	16	20	25	32
		600V	A	12	16	20	25	27.5
		800V	A	8	11.5	11.75	12	12.5
		1000V	A	6	8	8.5	9	10

1) Suitable at 1000V for: earthed-neutral systems, overvoltage category I to III, pollution degree 3 (standard-industry): $U_{imp}=8kV$

2) Suitable at 1000V for: earthed-neutral systems, overvoltage category I to III, pollution degree 2 (min. IP55): $U_{imp} = 8kV$.

Data for other conditions on request.

Main Contacts		Unit	SI12	SI16	SI20	SI25	SI32
Rated conditional short-circuit current		kA _{eff}	5	5	5	5	5
Max. fuse size	gL (gG)	A	32	40	50	63	80
Mechanical life		x10 ³	10		10		10
Rated short-time withstand current (1s) I _{sw}	2,4 / 2H	A	800 / 1300		900 / 1500		1000 / 1700
Short circuit making capacity I _{sw}	2,4 / 2H	A	800 / 1300		900 / 1500		1000 / 1700
Maximum cable cross sections (inc. jumper SIV-B1)							
Solid or standard		mm ²				4 - 16	
flexible		mm ²				4 - 10	
flexible (+multicore cable end)		mm ²				4 - 10	
Size of terminal screw						M4 Pz2	
Tightening torque		Nm				1.2 - 1.8	
Maximum ambient temperature							
Operation	Open	°C				-40 to +65	
	Enclosed	°C				-40 to +45	
Storage							
		°C				-50 +90	
Power loss per switch at I _{e max} DC21B							
2		W	2		5		8
2 + 2H		W	3.5		8.5		14
4		W	4		10		16

Main Contacts		Unit	SI12	SI16	SI20	SI25	SI32	
Ampere-Rating "General use" (AC)								
1 pole 	350V	A	3.5	4	4.5	5	6	
	500V	A	3.5	4	4.5	5	6	
	600V	A	3.5	4	4.5	5	6	
2 poles in series 	350V	A	12	16	18	20	25	
	500V	A	12	16	18	20	25	
	600V	A	12	16	18	20	25	
2 poles in series + 2 poles parallel 	350V	A	24	29	38	45	58	
	500V	A	24	29	36	38	40	
	600V	A	12	21	22	23	25	
3 poles in series 	350V	A	-	16	-	25	32	
	500V	A	-	16	-	25	32	
	600V	A	-	16	-	25	32	
4 poles in series 	350V	A	12	16	20	25	32	
	500V	A	12	16	20	25	32	
	600V	A	12	16	20	25	32	
Fuse size (RK5)	Industrial Control Switch							
5kA / 600V		A	32	40	50	60	80	
Maximum cable cross sections (incl. jumper SIV-B1)								
Solid or stranded		AWG	12 - 10	12 - 10	12 - 10	12 - 10	12 - 10	
Flexible		AWG	12 - 6	12 - 6	12 - 6	12 - 6	12 - 6	
Flexible (+ multicore cable end)		AWG	12 - 6	12 - 6	12 - 6	12 - 6	12 - 6	
Size of terminal screw			M4 Pz2	M4 Pz2	M4 Pz2	M4 Pz2	M4 Pz2	
Tightening torque		lb.inch	11 - 16	11 - 16	11 - 16	11 - 16	11 - 16	
Rated operational current I _e								
AC21B	A2, A4	U _n max. 440V	A	12	16	20	25	32
	A2+2	U _n max. 440V	A	-	29	-	45	58

Dimensions

SI12PEL/ES-PEL
SI16PEL/ES-PEL
SI20PEL/ES-PEL
SI25PEL/ES-PEL
SI32PEL/ES-PEL

