

Technical Data for ASN Switches

		Group	D00	D0			D1				D2			D3				
Single & Three Phase AC			6	8	11	12	16	20	32	40	50	63	100	125	250			
Operating Voltage	Ue	VDE/IEC	V	500	690	690	690	690	690	690	690	690	690	690	690			
	Ue	CSA	V	300	600	600	600	600	600	600	600	600	600	600	600			
	Ue	SEV	V	380	500	500	500	660	660	660	660	660	660	660	660			
Isolator Conditions as per VDE			V	250	380	380	380	380	380	500	500	660	660	660	660			
Thermal Current	I _{th}	VDE/IEC	A	10	25	25	20	25	32	40	63	70	100	125	200	315		
	I _{th}	CSA	A	10	16	16	16	16	20	32	40	50	63	100	125	200		
Load Break Capacity	I _a	VDE/IEC	A	10	25	25	20	25	32	40	63	70	100	125	130	215		
		CSA 600V/cos = .45	A		36	36	36	61	100	114	133	175	215	280	385	770		
Protecting Fuse	max. Fast/slow		A	10	25	25	20	25	32	40	63	70	100	125	200	315		
Resulting Fault Current			kA		16	16	16	16	20	32	40	50	63	100	125	200		
Short Time Capacity	3 sec		A		100	100	100	160	200	320	400	500	630	1000	1250	2000		
	10 sec		A		60	60	60	100	120	170	210	275	350	500	690	1100		
	30 sec		A		32	32	32	50	65	108	130	160	200	320	490	640		
	60 sec		A		30	30	25	40	50	75	90	115	150	230	290	460		
Cable Cross Section	Solid max mm ²		1.5	4.0	4.0	2.5	4.0	4.0	6.0	10.0	10.0	16.0	35.0	70.0	150			
	Flex max mm ²		1.5	4.0	4.0	2.5	2.5	2.5	4.0	6.0	6.0	10.0	16.0	35.0	150			
	With Lugs max mm ²											25.0	35.0	70.0	150			
Terminal Screws			M	2.5x5	3.5x6	3.5x6	3.5x6	4x7	4x7	4x8	5x10	5x10	6x14	2x5x10	2x6x15			
	With Lugs		M		3.5x6	3.5x6	3.5x6	4x7	4x7	4x8	5x10	5x10	6x14	8x16*	8x16*	10x20*		
Rated Current I_e (in A)																		
AC 1	SEV non or low inductive		380V	10	25	25	20	25	32	40	63	70	100	125	130	315		
AC 21	VDE/IEC Resistive Load			10	25	25	20	25	32	40	63	70	100	125	130	315		
AC 11	VDE/IEC switching of		220-240V	2.5	5.5	5.5	5.5	7.5	12.5	15								
	Relays, Contactors,		380-440V		3.5	3.5	3.5	4.5	5.5	6.5								
	Valves & Solenoids		500V		4.5	4.5	4.5	5.5	7.5	9.5								
AC 22	Resistive and		220-500V	10	20	20	20	25	32	40	63	70	100	125	130	315		
	Inductive Load		660-690V		20	20	20	25	32	40	63	70	100	125	130	315		
CSA Rating non or low inductive Load					16	16	16	16	20	32	40	50	63	100	125	200		
CEE Rating non inductive Load					10	10	10	16	25	32	40	50	63					
CEE Rating Motor Load					6	6	6	9	9	9	9	10	10					
DC Current I_e				6	8	11	12	16	20	32	40	50	63	100	125	250		
Contacts in Series		1	2	3														
For VDC		24	48	72	A	6	10	10	10	16	20	32	40	50	63	100	125	250
		40	80	120	A	4	10	10	10	16	20	32	40	50	63	100	125	250
DC 1 Resistive T <= 1ms		60	120	180	A	1	3	3	3	4.2	5.5	7.5	9	10	11	15	17	23
		110	220	330	A	0.2	0.8	0.8	0.8	1	1.3	1.7	1.9	2	2.2	2.5		
		220	440	660	A	0.1	0.32	0.32	0.32	0.37	0.4	0.48	0.52	0.53	0.55			
		440	660		A		0.22	0.22	0.22	0.22	0.25							
DC 1 Inductive T => 50 ms		24	48	72	A		10	10	10	16	20	32	40	50	63	100	125	250
		40	80	120	A		4.5	4.5	4.5	5	7.5	11	14	16	18	25	28	36
		60	120	180	A		1.7	1.7	1.7	2	2.8	4	5	5.5	6	7	7.8	8.5
		110	220	330	A		0.7	0.7	0.7	0.8	1	1.4	1.6	1.7	1.8	2	2.2	
Time T = $\frac{L}{R}$ ms					A		0.3	0.3	0.3	0.3	0.35	0.4	0.5	0.55	0.6			

* Hex Bolts