

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	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
	60	120	180	A	1	3	3	3	4.2	5.5	7.5	9	10	11	15	17	23
DC 1 Resistive T<= 1ms	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
Time T = $\frac{L}{R}$ ms	110	220	330	A		0.7	0.7	0.7	0.8	1	1.4	1.6	1.7	1.8	2	2.2	
	220	440	660	A		0.3	0.3	0.3	0.3	0.35	0.4	0.5	0.55	0.6			

* Hex Bolts