

Isolator Characteristics

PRODUCT CODE	421020	421032	421063	421100	421160	421200	421250	421400	421630	421800
Thermal current I_{th} (40 °C)	20 A	32 A	63 A	100 A	160 A	200 A	250 A	400 A	630A	800 A
Rated insulation voltage U_i (V)	800	800	800	800	800	800	800	1000	1000	1000
Rated impulse withstand U_{imp} (kV)	8	8	8	8	8	8	8	12	12	12

Rated operation currents I_e (A)

Rated voltage	Load duty cat.	A	A	A	A	A/B	A/B	A/B	A/B	A/B	A/B *
400 VAC	AC-21	20/20	32/32	63/63	100/100	160/160	200/200	250/250	400/400	630/630	800/800
400 VAC	AC-22	20/20	32/32	63/63	100/100	160/160	200/200	250/250	400/400	630/630	800/800
400 VAC	AC-23	20/20	32/32	63/63	80/80	160/160	200/200	250/250	400/400	500/630	800/800
500 VAC	AC-21	20/20	32/32	63/63	100//100	160/160	200/200	250/250	400/400	630/630	800/800
500 VAC	AC-22	20/20	32/32	63/63	100/100	160/160	200/200	250/250	400/400	500/500	800/800
500 VAC	AC-23	20/20	25/25	63/63	80/80	160/160	200/200	200/250	315/315	315/315	630/800
690 VAC	AC-20	-	-	-	-	160/160	200/200	250/250	400/400	630/630	800/800
690 VAC	AC-21	20/20	32/32	63/63	100/100	160/160	200/200	200/250	400/400	500/500	800/800
690 VAC	AC-22	20/20	32/32	40/63	80/100	160/160	160/160	125/160	250/315	315/315	800/800
690 VAC	AC-23	20/20	25/25	40/40	63/63	63/80	63/80	100/125	160/200	160/200	200/250

Operational power without pre-break

at 400 VAC - AC in AC-23 A (kW)	9	15	30	40	80/80	100/100	132/132	220/220	280/280	450/450
at 500 VAC - AC in AC-23 A (kW)	9	15	30	40	110/110	140/140	140/160	220/220	220/220	450/560
at 690 VAC - AC in AC-23 A (kW)	11	15	30	45	55/75	55/75	90/110	150/185	150/185	185/220

Fuse protected short-circuit withstand (kA rms prospective)

Short circuit current (kA rms)	50	50	50	50	50	50	50	100	70	50
Associated fuse rating (A)	20	32	63	100	160	160	250	400	630	800

Overload capacity

Short-time withstand 1s I (A rms)	2500	2500	3000	3000	4000	4000	9000	13000	13000	26000
Short-circuit making capacity (kA peak)	6	6	9	9	16	16	30	45	45	55

Connection & mechanical characteristics

Minimum Cu cable section (mm ²)	1.5	1.5	2.5	2.5	10	10	95	185	2 x 150	2 x 185
Maximum Cu cable section (mm ²)	16	16	35	35	95	95	150	240	2 x 300	2 x 300
Minimum tightening torque (Nm)	2	2	4	4	9	9	20	20	-	-
Endurance (no. operating cycles)	100000	100000	30000	100000	10000	10000	10000	5000	5000	3000
Stud Size	-	-	-	-	M8	M8	M10	M10	M12	M14
Extension Box	-	-	-	-	-	-	EX03	EX04	EX04	EX05

* A = FREQUENT OPERATION B = INFREQUENT OPERATION