



SPECIFICATIONS

LOAD BREAK SWITCHES

DGL- 125A - 4000A Electrical properties and mechanical properties															
Conventional heating current I_{th} A	125 A	160A	200A	250A	315A	400A	500A	630A	1000A	1250A	1600A	2000A	2500A	3150A	4000A
Rated insulation voltage U_i (V)	750	750	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Dielectric strength	5000	5000	5000	5000	5000	5000	5000	5000	8000	8000	8000	8000	8000	8000	8000
Rated impedance withstand voltage U_{mp} KV (Installation sort IV)	8	8	8	8	12	12	12	12	12	12	12	12	12	12	12
Rated working current I_e (A)															
380 V															
AC21	125	160	200	250	315	400	500	630	1000	1250	1600	2000	2500	3150	4000
AC22	125	160	200	250	315	400	500	630	1000	1250	1600	2000	2500	2500	2500
AC23	125	160	200	250	315	340	500	500	800	1000	1250	1250	1250	1250	1250
660V															
AC21	125	160	160	200	315	400	400	500	1000	1000	1600	2000	2500	3150	4000
AC22	125	160	160	160	315	315	315	315	800	800	800	2000	2000	2000	2000
AC23	80	80	100	125	125	125	125	125	400	400	500	1000	1000	1000	1000
220V															
AC21	125	160	200	250	315	400	500	630	1000	1250	1600	2000	2500	3150	4000
AC22	125	160	200	250	315	400	400	500	1000	1250	1250	2000	2000	2000	2000
AC23	125	125	160	200	315	400	400	500	1000	1250	1250	1250	1250	1250	1250
440V															
AC21	100	125	160	200	315	400	400	500	1000	1250	1250	2000	2500	3150	4000
AC22	100	125	160	200	315	400	400	500	1000	1250	1250	1250	1250	1250	1250
AC23	100	125	160	200	315	400	400	500	1000	1000	1000	1000	1000	1000	1000
Motor power (KW)															
380V	63	80	100	132	160	220	280	315	560	560	560	710	710	710	710
660V	75	75	90	110	185	185	185	185	475	475	475	750	750	750	750
Overload Capacity															
Rated short-time withstand current I_{cw} (KA _{rms}) 0.18/1.08	20/10	20/10	30/12	30/12	45/20	45/20	50/25	50/25	90/50	90/50	90/50	90/50	90/50	90/50	90/50
Making and breaking capacity															
Rated making capacity I_{cm} (A _{rms}) AC23 380 V	1250	1250	2000	2000	3150	4000	4000	4000	10000	10000	10000	10000	10000	10000	10000
Rated breaking capacity I_{cn} (A _{rms}) AC23 380V	1000	1000	1600	1600	2500	3200	3200	3200	8000	8000	8000	8000	8000	8000	8000
Rated short-circuit making I_{cm} (KA peak value)	12	12	17	17	30	30	40	40	70	70	70	70	70	70	70
Mechanical life (rotation operation time)															
Rated voltage $U_e = 660$ V Rated current I_e															
=0.95COS ACS21 f	1500	125	160	200	315	400	400	500	1000	1250	1250	2000	2500	3150	4000
=0.65COS ACS22 f	100	125	160	200	315	400	400	500	1000	1250	1250	1250	1250	1250	1250
=0.35COS ACS23 f	100	125	160	200	315	400	400	500	1000	1000	1000	1000	1000	1000	1000
Operation moment (Nm)															
	6.5	6.5	10	10	14.5	14.5	14.5	14.5	27	27	27	60	60	60	110
Weight (kg)															
3 poles	1	1	2	2	3.5	3.5	4	4	10.5	10.5	16	31	31	42	90
4 poles	1.5	1.5	2.5	2.5	4	4	4.5	4.5	13	13	20	40	40	49	102