

Load Break Disconnect Switch

DGL-125A-4000A Load Break Switch-Front Operation



DGL-125A-4000A Electrical properties and mechanical properties :

	125A	160A	200A	250A	315A	400A	500A	630A
Conventional heating current Ith A								
Rated insulation voltage Ui (V)	750	750	750	1000	1000	1000	1000	1000
Dielectric strength	5000	5000	5000	5000	5000	5000	5000	5000
Rated impaction withstand voltage Ump KV(Installation sort IV)	8	8	8	8	12	12	12	12
Rated working current Ie(A)								
380V								
AC21	125	160	200	250	315	400	500	630
AC22	125	160	200	250	315	400	500	630
AC23	125	160	200	250	315	340	500	500
660V								
AC21	125	160	160	200	315	400	400	500
AC22	125	160	160	160	315	315	315	315
AC23	80	80	100	125	125	125	125	125
220V								
AC21	125	160	200	250	315	400	500	630
AC22	125	160	200	250	315	400	400	500
AC23	125	125	160	200	315	400	400	500
440V								
AC21	100	125	160	200	315	400	400	500
AC22	100	125	160	200	315	400	400	500
AC23	100	125	160	200	315	400	400	500
Motor power P(KW)								
380V	63	80	100	132	160	220	280	315
660V	75	75	90	110	185	185	185	185
Overload capacity								
Rated short-time withstand current Icw (KA Rms)0.18/1.08	20/10	20/10	30/12	30/12	45/20	45/20	50/25	50/25
Making and breaking capacity								
Rated making capacity Icm (A Rms) AC23 380V	1250	1250	2000	2000	3150	4000	4000	4000
Rated breaking capacity Icm (A Rms) AC23 380V	1000	1000	1600	1600	2500	3200	3200	3200
Rated short-circuit making Icm (KA peak value)	12	12	17	17	30	30	40	40
Mechanical life (rotation operation time)	10000	10000	10000	10000	5500	5500	5500	5500
Electrical life (rotation operation time)								
Rated voltage Ue=660V Rated current Ie =0.95COS ACS21 f =0.65COS ACS22 f =0.35COS ACS23 f	1500 100 100	125 125 125	160 160 160	200 200 200	315 315 315	400 400 400	400 400 400	500 500 500
Operation moment (Nm)	6.5	6.5	10	10	14.5	14.5	14.5	14.5
Weight (kg)								
3 Poles	1	1	2	2	3.5	3.5	4	4
4 Poles	1.5	1.5	2.5	2.5	4	4	4.5	4.5



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Conventional heating current Ith A	1000A	1250A	1600A	2000A	2500A	3150A	4000A
Rated insulation voltage Ui (V)	1000	1000	1000	1000	1000	1000	1000
Dielectric strength	8000	8000	8000	8000	8000	8000	8000
Rated impaction withstand voltage Ump KV(Installation sort IV)	12	12	12	12	12	12	12
Rated working current Ie(A)							
380V							
AC21	1000	1250	1600	2000	2500	3150	4000
AC22	1000	1250	1800	2000	2500	2500	2500
AC23	800	1000	1250	1250	1250	1250	1250
660V							
AC21	1000	1000	1600	2000	2500	3150	4000
AC22	800	800	800	2000	2000	2000	2000
AC23	400	400	500	1000	1000	1000	1000
220V							
AC21	1000	1250	1600	2000	2500	3150	4000
AC22	1000	1250	1250	2000	2000	2000	2000
AC23	1000	1250	1250	1250	1250	1250	1250
440V							
AC21	1000	1250	1250	2000	2500	3150	4000
AC22	1000	1250	1250	1250	1250	1250	1250
AC23	1000	1000	1000	1000	1000	1000	1000
Motor power P(KW)							
380V	560	560	560	710	710	710	710
660V	475	475	475	750	750	750	750
Overload capacity							
Rated short-time withstand current Icw (KA Rms)0.18/1.08	90/50	90/50	90/50	90/50	90/50	90/50	90/50
Making and breaking capacity							
Rated making capacity Icm (A Rms) AC23 380V	10000	10000	10000	10000	10000	10000	10000
Rated breaking capacity Icm (A Rms) AC23 380V	8000	8000	8000	8000	8000	8000	8000
Rated short-circuit making Icm (KA peak value)	70	70	70	70	70	70	70
Mechanical life (rotation operation time)	4000	4000	3000	2500	2500	2500	2500
Electrical life (rotation operation time)							
Rated voltage Ue=660V Rated current Ie							
=0.95COS ACS21 f	1000	1250	1250	2000	2500	3150	4000
=0.85COS ACS22 f	1000	1250	1250	1250	1250	1250	1250
=0.35COS ACS23 f	1000	1000	1000	1000	1000	1000	1000
Operation moment (Nm)	27	27	27	60	60	60	110
Weight (kg)							
3 Poles	10.5	10.5	16	31	31	42	90
4 Poles	13	13	20	40	40	49	102