

Technical data and ratings chart

SIRCOVER SCO 125 to 630 A

Ratings to AS 3947-3 and IEC 60947-3

			125 A	160 A	200 A	250 A	400 A	500 A	630 A
Rated insulation voltage and rated operation voltage AC 20/DC 20	V		800	800	800	800	1000	1000	1000
Rated impulse withstand voltage	kV		8	8	8	8	12	12	12
Rated operational current									
AC 21A	400 V	A	125	160	200	250	400	500	630
	500 V	A	125	160	200	250	315	400	500
	690 V	A	125	160	200	250	315	400	500
AC 22A	400 V	A	125	160	200	250	400	500	630
	500 V	A	125	125	125	250	250	400	500
	690 V	A	125	125	125	160	160	400	500
AC 23A	400 V	A	125	160	160	250	250	500	500
	500 V	A	100	100	100	250	250	315	315
	690 V	A	80	80	80	125	125	200	200
Rated operational current									
DC 21A	220 V	A	125	160	200	250	400	500	630
	440 V	A	125	125	125	200	200	400	500
DC 22A	220 V	A	125	160	160	250	250	400	500
	440 V	A	125	125	125	200	200	315	500
DC 23A	220 V	A	125	125	125	200	200	400	500
	440 V	A	125	125	125	200	200	400	500
Operational power									
AC 23A	400 V	kW	63	80	80	132	132	280	280
	500 V	kW	63	63	63	160	160	220	220
	690 V	kW	75	75	75	110	110	185	185
Overload capacity									
Short time withstand current		kA	7	7	7	9	9	13	13
Icw (RMS 1s) 690 V									
Breaking capacity	400 V	A	-	-	-	-	-	-	-
AC 23A									
Fuse protected short circuit withstand AC	400 V	kA	100	100	50	50	18	100	70
(kA RMS prospective)	Fuse	A	125	160	200	250	400	500	630
Rated capacitor power		kVAr	55	75	90	115	185	230	290
Mechanical endurance		Ops	10000	10000	10000	10000	10000	5000	5000
Weight (3 pole)		Kg	1.52	1.6	1.8	2	3	3.5	3.5
Min. tightening torque		Nm	9	9	9	20	20	20	20
Connection cable size		mm ²	35/50	50/95	50/95	95/150	185/240	240/240	2x150/2x300

Note: 240/415 V ratings suitable for use on 230/400 V in accordance with AS 60038 : 2000.

Technical data and ratings chart

SIRCOVER SCO 800 to 3150 A

Ratings to AS 3947-3 and IEC 60947-3

			800 A	1250 A	1600 A	2000 A	2500 A	3150 A
Rated insulation voltage and rated operation voltage AC 20/DC 20	V		1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage	kV		12	12	12	12	12	12
Rated operational current								
AC 21A	400 V	A	800	1250	1600	2000	2500	3150
	500 V	A	800	-	1600	2000	2000	2000
	690 V ¹⁾	A	800	-	1600	2000	2000	2000
AC 22A	400 V	A	800	1250	1250	2000	2000	2000
	500 V	A	800	1250	1250	2000	2000	2000
	690 V ¹⁾	A	630	-	800	1000	1000	1000
AC 23A	400 V	A	800	1000	1000	1250	1250	1250
	500 V	A	800	1000	1000	1000	1000	1000
	690 V ¹⁾	A	-	-	500	800	800	800
Rated operational current/poles in series								
DC 21A	220 V	A	800	1250	1600	2000	2000	2000
	440 V	A	800/2	1250	1250	1250	1250	1250
DC 22A	220 V	A	800	1250	1250	1250	1250	1250
	440 V	A	800/2	1250/2	1250/2	1250/2	1250/2	1250/2
DC 23A	220 V	A	800	1250/2	1250/2	1250/2	1250/2	1250/2
	440 V	A	800/2	1250/2	1000/2	1000/2	1000/2	1000/2
Operational power								
AC 23A	400 V	kW	450	560	560	710	710	710
	500 V	kW	560	710	710	710	710	710
	690 V	kW	220	475	400	750	750	750
Overload capacity								
Short time withstand current I _{cw} (RMS 1s) 690 V	kA		26	50	50	50	50	50
Breaking capacity AC 23A	400 V	A	-	-	-	-	-	-
Fuse protected short circuit withstand AC (kA RMS prospective)	400 V	kA	50	100	100	100	100	-
	Fuse	A	800	1250	2x800	2x1000	2x1250	-
Rated capacitor power		kVAr	365	575	-	-	-	-
Mechanical endurance		Ops	4000	4000	4000	3000	3000	3000
Weight (3 pole)		Kg	8	10.5	10.5	16	17	31
Min. tightening torque		Nm	-	20	40	40	40	40
Connection cable size		mm ²	2 (185/300)	2 240/4 185	4 185 max	6 240 max	-	-

Notes: ¹⁾ With terminal shrouds.
240/415 V ratings suitable for use on 230/400 V in accordance with AS 60038 : 2000.