

SAFETY SWITCHES / ISOLATORS 10-630 A TECHNICAL DATA



SAFETY SWITCHES / ISOLATORS		10 A	16 A	25 A	40 A	63 A	80 A	125 A	160 A
Rated insulation voltage, U_i [V]		690	690	690	690	690	690	690	690
Rated thermal current, I_{th} [A]		20	25	40	63	80	100	160	200
Nominal values with cable size [mm ²]		2.5	4	10	16	25	35	70	95
Rated operational current, I_n [A]									
AC-21	400/415V	20	25	40	63	80	100	160	200
	500V	20	25	40	63	80	100	160	200
	690V	20	25	40	63	80	100	160	200
AC-22	400/415V	10	16	25	40	63	80	125	160
	500V	10	16	25	40	63	80	125	160
	690V	10	16	25	40	63	80	125	160
AC-23	400/415V	10	16	25	40	40	63	100	135
	500V	10	16	25	32	40	40	80	125
	690V	10	16	25	32	40	40	80	125
Rated operational power for 3-phase (1500 r.p.m.) squirrel cage induction motors [kW]									
AC-23	400/415V	5.5	7.5	11	22	22	30	55	75
	500V	5.5	7.5	15	22	30	30	55	75
	690V	7.5	11	22	30	37	37	55	90
Rated fused short circuit current									
Back-up fuse [A]		63	63	63	63	80	80	160	160
R.M.S. value, I_k [kA]		50	50	50	50	50	50	50	50
Peak value [kA]		7.2	7.2	7.2	7.2	8.7	8.7	15	15
Impulse withstand voltage, U_{imp} [kV]		8	8	8	8	8	8	8	8
Rated short circuit making capacity, I_{cm} [kA]									
	690V	2.5	2.5	2.5	2.5	3.3	3.3	5.1	5.1
Rated short time withstand current [1 s], I_{sw} [kA]									
	690V	1.7	1.7	1.7	1.7	2.3	2.3	3.5	3.5
Rated breaking capacity, I_{cn} [A]									
AC-23	400/415V	80	128	200	320	320	504	800	1080
	500V	80	128	200	256	320	320	640	1000
	690V	80	128	200	256	320	320	640	1000
Electrical endurance (operations)		3000	3000	3000	3000	3000	3000	2000	2000
Mechanical endurance (operations)		50000	50000	50000	50000	50000	50000	16000	16000
Terminals / Bolt size Cu [mm ²]		1.5-16	1.5-16	1.5-16	1.5-16	2.5-35	2.5-35	6-70	6-70
Max terminal torque [Nm]		1.8	1.8	1.8	1.8	2.5	2.5	6	6
1) KEEx x200 - KEEx x250									
2) KEEx x200C - KEEx x250C									



	200 A ¹⁾	200 A ²⁾	250 A ¹⁾	250 A ²⁾	315 A	400 A	630 A	Safety switches / Isolators	
	1000	1000	1000	1000	1000	1000	1000	Rated insulation voltage, U _i (V)	
	200	200	250	250	315	400	630	Rated thermal current, I _{th} (A)	
	95	95	120	120	185	240	2x185	Nominal values with cable size (mm ²)	
								Rated operational current	
	200	200	250	250	315	400	630	400/415V	AC-21
	200	200	250	250	315	400	630	500V	
	200	200	250	250	315	400	630	690V	
	200	200	250	250	315	400	630	400/415V	AC-22
	200	-	250	-	315	400	630	500V	
	200	-	250	-	315	400	630	690V	
	200	200	250	250	315	400	630	400/415V	AC-23
	200	-	250	-	315	400	500	500V	
	200	-	250	-	315	400	500	690V	
	Rated operational power for 3-phase (1500 r.p.m.) squirrel cage induction motors (kW)								
	110	110	132	132	160	200	355	400/415V	AC-23
	132	-	160	-	200	250	355	500V	
	160	-	250	-	315	355	500	690V	
	Rated fused short circuit current								
	250	250	250	250	400	400	630	Back-up fuse (A)	
	50	50	50	50	50	50	50	R.M.S. value, I _r (kA)	
	18	22	18	22	26	26	32	Peak value (kA)	
	8	8	8	8	8	8	8	Impulse withstand voltage, U _{imp} (kV)	
	Rated short circuit making capacity, I _{cm} (kA)								
	7	7	7	7	12	12	17	690V	
	Rated short time withstand current (1 s), I _{sw} (kA)								
	5	6	5	6	7	7	10	690V	
	Rated breaking capacity, I _{cn} (A)								
	1600	1600	2000	2000	2520	3200	5040	400/415V	AC-23
	1600	-	2000	-	2520	3200	4000	500V	
	1600	-	2000	-	2520	3200	4000	690V	
	2000	2000	2000	2000	2000	2000	2000	Electrical endurance (operations)	
	16000	16000	16000	16000	10000	10000	10000	Mechanical endurance (operations)	
	M10	M8	M10	M8	M10	M10	M12	Terminals / Bolt size Cu (mm ²)	
	30-44	15-22	30-44	15-22	30-44	30-44	50-75	Max terminal torque (Nm)	