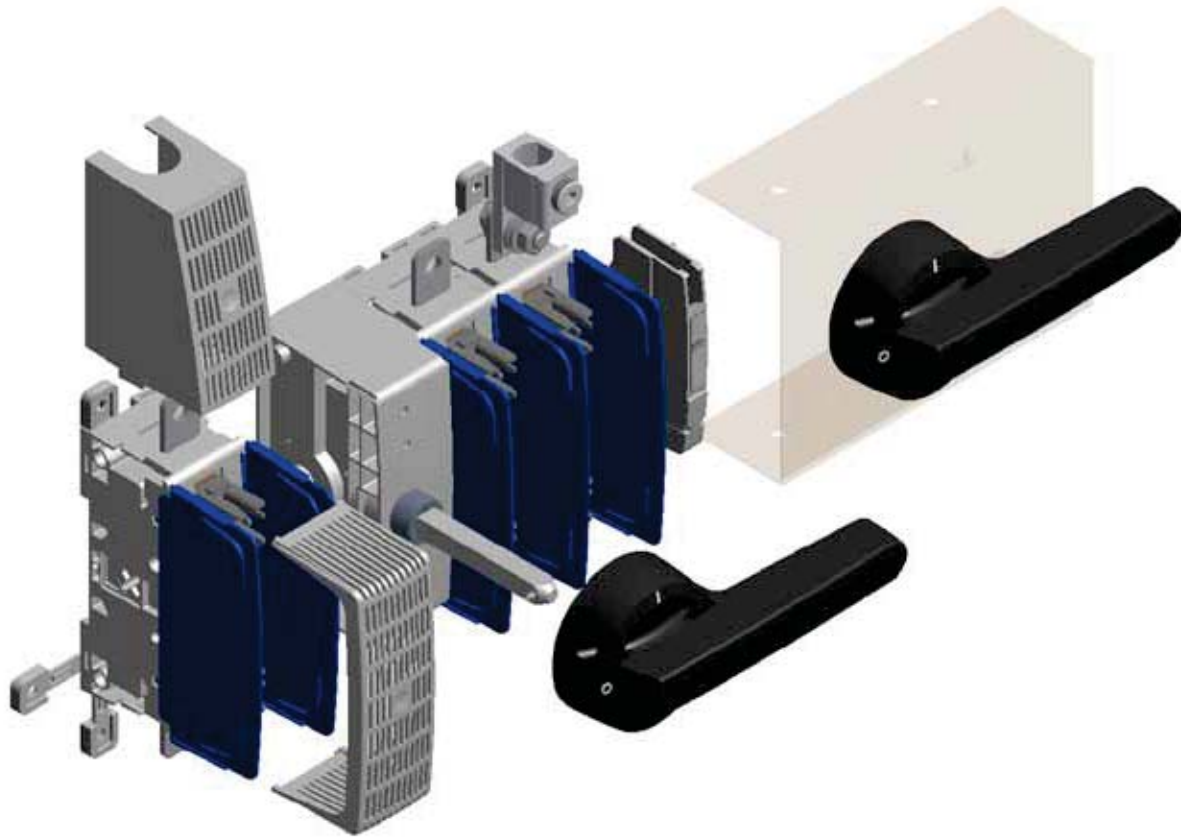


LOAD BREAK SWITCHES 125-630 A TECHNICAL DATA FOR VKE SERIES



Structure of a modular switch fuse

LOAD BREAK SWITCHES		125 A	160 A	200 A	250 A	315 A	400 A	630 A
Rated insulation voltage, U_i [V]		690	690	1000	1000	1000	1000	1000
Rated thermal current, I_{th} [A]		160	160	200	250	315	400	630
Nominal values with cable size [mm ²]		70	70	95	120	185	240	2x185
Rated operational current, I_e [A]								
AC-21	400/415V	160	160	200	250	315	400	630
	500V	160	160	200	250	315	400	630
	690V	160	160	200	250	315	400	630
AC-22	400/415V	125	160	200	250	315	400	630
	500V	125	160	200	250	315	400	630
	690V	125	160	200	250	315	400	630
AC-23	400/415V	125	125	200	250	315	400	630
	500V	125	125	200	250	315	400	500
	690V	125	125	200	250	315	400	500
Rated operational power for 3-phase (1500 r.p.m.) squirrel cage induction motors [kW]								
AC-23	400/415V	55	55	110	132	160	200	355
	500V	75	75	132	160	200	250	355
	690V	90	90	160	250	315	355	500
Rated fused short circuit current								
Back-up fuse [A]		125	160	250	250	400	400	630
R.M.S. value, I_k [kA]		50	25	50	50	50	50	50
Peak value [kA]		11	11	18	18	26	26	32
Impulse withstand voltage, U_{imp} [kV]		8	8	12	12	12	12	12
Rated short circuit making capacity, I_{cm} [kA]								
	690V	6	6	7	7	12	12	17
Rated short time withstand current (1 s), I_{cw} [kA]								
	690V	4	4	5	5	7	7	10
Rated breaking capacity, I_{bn} [A]								
AC-23	400/415V	1000	1000	1600	2000	2520	3200	5040
	500V	1000	1000	1600	2000	2520	3200	4000
	690V	1000	1000	1600	2000	2520	3200	4000
Electrical endurance (number of operations)		2000	2000	2000	2000	2000	2000	2000
Mechanical endurance (number of operations)		16000	16000	16000	16000	1000	10000	10000
Terminals / Bolt size Cu [mm ²]		6-70	6-70	M10	M10	M10	M10	M12
Max terminal torque [Nm]		6	6	30-44	30-44	30-44	30-44	50-75