

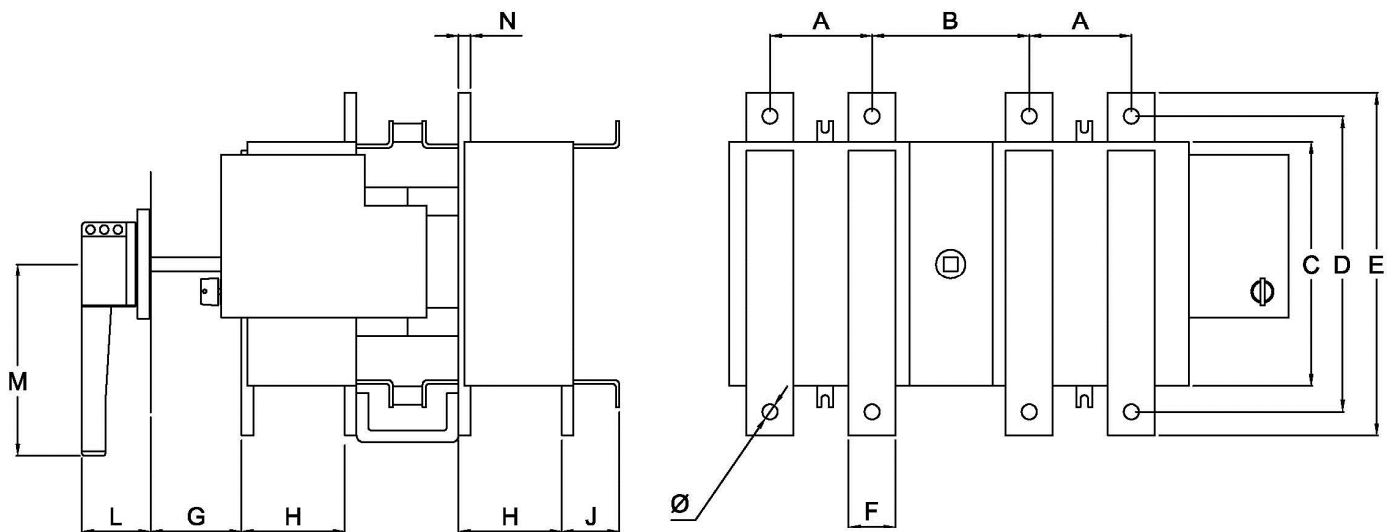
# Switchgear Systems Ltd - Technical Data Sheet

## BKMC Motorised Bypass Switches 125A - 1600A

- Manufactured by Contactplasma S.R.L. Italy.
- Designed and tested in compliance with BS EN 60947-3.

TYPE (SERIES)				BKMC 12	BKMC 16	BKMC 20	BKMC 25	BKMC 40	BKMC 63	BKMC 80	BKMC 100	BKMC 125	BKMC 160
RATED THERMAL CURRENT AT 40° MAX A.T.	$I_{th}$	Enclosed	A	125	160	200	250	400	630	800	1000	1250	1600
RATED VOLTAGE OF ISOLATION	$U_i$	a.c.	V	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
		d.c.	V	600	600	600	600	600	600	600	600	600	600
IMPULSE WITHSTAND VOLTAGE	-		kV	8	8	8	8	8	8	12	12	12	12
OPERATIONAL CURRENT AC23A	$I_e$	415V	A	125	160	200	250	400	630	800	1000	1250	1600
		690V		63	80	100	125	160	200	250	315	400	500
OPERATIONAL CURRENT AC22A	$I_e$	690V	A	125	160	200	250	400	630	800	1000	1250	1600
REACTIVE POWER see Note 1	380V		kVAr	55	70	80	100	150	250	300	375	450	550
RATED SHORT CIRCUIT MAKING CAPACITY	$I_{cm}$	500V	kA peak	14	20	20	25	30	32	63	66	73.5	73.5
MECHANICAL ENDURANCE	operations		n°	8000	8000	8000	8000	5000	5000	3000	3000	3000	3000
ELECTRICAL LIFE	operations		n°	1000	1000	1000	1000	1000	1000	500	500	500	500
POWER LOSSES PER POLE	-		W	1.6	2.6	4	4.7	11	25	22.5	34	53	65

Note 1: Due to harmonics and tolerance of the capacitors, the rated values have been reduced by 33%.



Dimensions mm	Ø	A	B	C	D	E	F	G	H	J	L	M	N
BKMC12	8.5	44	92	124	154	174	20	90	64	44	59	165	3
BKMC16	8.5	44	92	124	154	174	20	90	64	44	59	165	3
BKMC20	8.5	44	92	124	154	174	20	90	64	44	59	165	3
BKMC25	10.5	65	112	142	193	218	25	115	77	44	59	165	4
BKMC40	10.5	65	112	142	193	218	30	115	78	44	59	165	5
BKMC63	10.5	65	112	142	193	218	35	115	79	44	59	165	6
BKMC80	13	87	134	208	252	292	40	112	86	49	59	332	8
BKMC100	13	87	134	208	252	292	40	112	88	49	59	332	10
BKMC125	13	87	134	208	252	292	40	112	88	49	59	332	10
BKMC160	13	87	134	208	252	292	40	112	88	49	59	332	12