

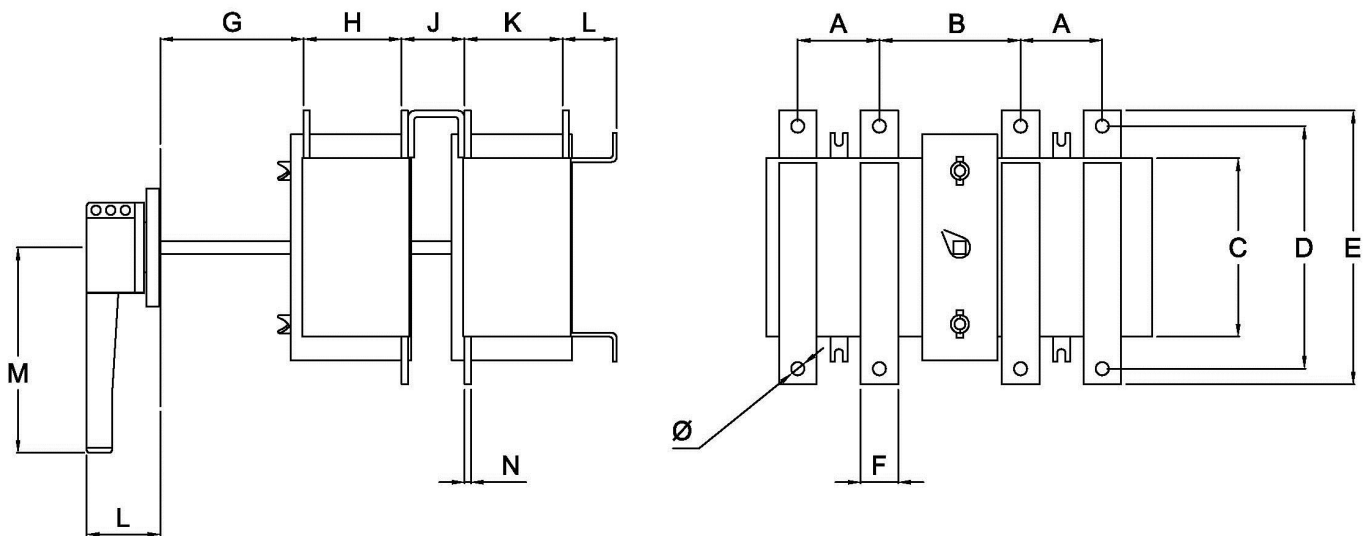
Switchgear Systems Ltd - Technical Data Sheet

BKC/D Bypass Switches 125A - 1600A

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

TYPE (SERIES)				BKC/ D 12	BKC/ D 16	BKC/ D 20	BKC/ D 25	BKC/ D 40	BKC/ D 63	BKC/ D 80	BKC/ D 100	BKC/ D 125	BKC/ D 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	K	L	M	N
BKC12	8.5	44	92	124	154	174	20	60	64	50	64	43	165	3
BKC16	8.5	44	92	124	154	174	20	60	64	50	64	43	165	3
BKC20	8.5	44	92	124	154	174	20	60	64	50	64	43	165	3
BKC25	10.5	65	112	142	193	218	25	60	77	50	77	43	165	4
BKC40	10.5	65	112	142	193	218	30	60	78	50	78	43	165	5
BKC63	10.5	65	112	142	193	218	35	60	79	50	79	43	165	6
BKC80	13	87	134	208	252	292	40	60	86	68	86	48	332	8
BKC100	13	87	134	208	252	292	40	60	88	68	88	48	332	10
BKC125	13	87	134	208	252	292	40	60	88	68	88	48	332	10
BKC160	13	87	134	208	252	292	40	60	88	68	88	48	332	12