UKB7Z High Breaking Capacity Mini Circuit Breaker

UKB7Z 高分断小型断路器

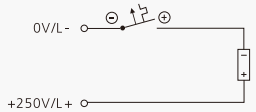
适用于直流线路的过载与短路保护。特别适合于通讯、电力、机车等行业。

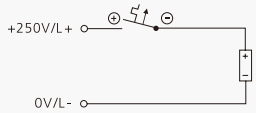
Overload and short-circuit protection sutiable for DC circuit, especially at the fields of communication, electric and electric vehicle and so on.

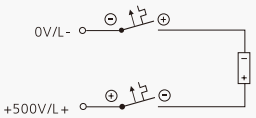
额定分断能力为：6000
Rated breaking capacity is: 3

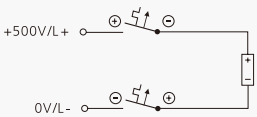
C特性曲线
C characteristic curve

瞬时脱扣7–14In
Instantaneous trip 7–14In



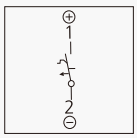
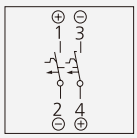
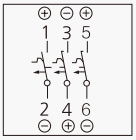
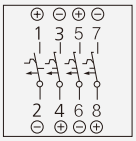






注：电源正负极不允许接错，否则不能有效分断故障电流

Caution: Power electrodes shall not be improperly connected, lest the current can not be effectively cut off.

	1P	2P
		
额定电流 Rated current In(A)		
6	UKB7Z–63 / 1 / C6	UKB7Z–63 / 2 / C6
10	UKB7Z–63 / 1 / C10	UKB7Z–63 / 2 / C10
13	UKB7Z–63 / 1 / C13	UKB7Z–63 / 2 / C13
16	UKB7Z–63 / 1 / C16	UKB7Z–63 / 2 / C16
20	UKB7Z–63 / 1 / C20	UKB7Z–63 / 2 / C20
25	UKB7Z–63 / 1 / C25	UKB7Z–63 / 2 / C25
32	UKB7Z–63 / 1 / C32	UKB7Z–63 / 2 / C32
40	UKB7Z–63 / 1 / C40	UKB7Z–63 / 2 / C40
50	UKB7Z–63 / 1 / C50	UKB7Z–63 / 2 / C50
63	UKB7Z–63 / 1 / C63	UKB7Z–63 / 2 / C63
额定电流 Rated current In(A)		
6	UKB7Z–63 / 3 / C6	UKB7Z–63 / 4 / C6
10	UKB7Z–63 / 3 / C10	UKB7Z–63 / 4 / C10
13	UKB7Z–63 / 3 / C13	UKB7Z–63 / 4 / C13
16	UKB7Z–63 / 3 / C16	UKB7Z–63 / 4 / C16
20	UKB7Z–63 / 3 / C20	UKB7Z–63 / 4 / C20
25	UKB7Z–63 / 3 / C25	UKB7Z–63 / 4 / C25
32	UKB7Z–63 / 3 / C32	UKB7Z–63 / 4 / C32
40	UKB7Z–63 / 3 / C40	UKB7Z–63 / 4 / C40
50	UKB7Z–63 / 3 / C50	UKB7Z–63 / 4 / C50
63	UKB7Z–63 / 3 / C63	UKB7Z–63 / 4 / C63
	单极额定电压 250V T=5ms One pole rated voltage 250V T=5ms	两极额定电压 500V T=4ms Two pole rated voltage 500V T=4ms

UKB7Z High Breaking Capacity Mini Circuit Breaker

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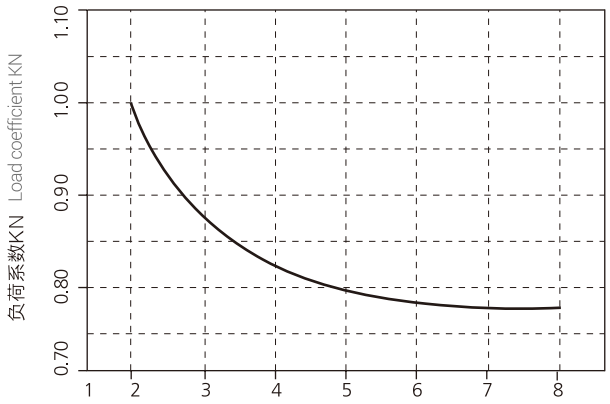
Load Capability
负载能力

适用于单极UKB7系列

相应的温度和n个开关的工作状态下
允许的负荷：$I_{DL}=I_nK_T(T)K_n(N)$

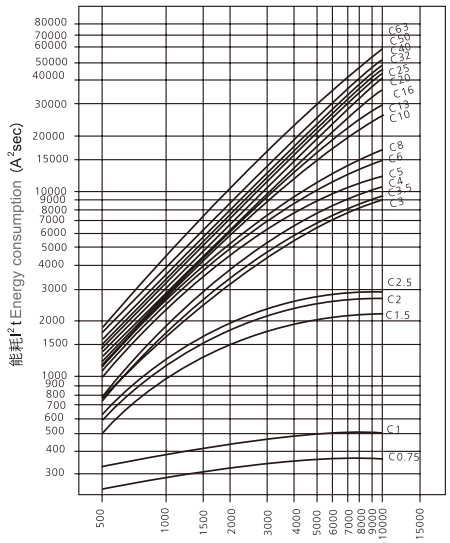
Applied to monopole UKB7 series
Corresponding temperature and the permissible working load of switches: $I_{DL}=I_nK_T(T)K_n(N)$



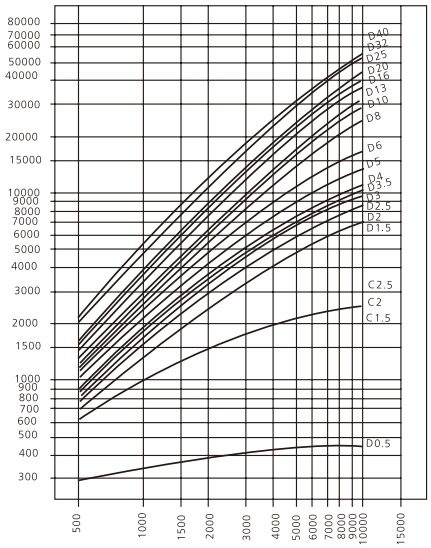
开关个数(n) Switch entries(n)
MCB的负荷能力 MCB Load power

Power Consumption
能 耗

符合EN60898标准(IEC898)
Standard of EN60898(IEC898)



短路电流 Short-circuit current(A)
UKB7系列最大能耗，C曲线，单极
UKB7 series maximum energy consumption, C curve, 1P



短路电流 Short-circuit current(A)
UKB7系列最大能耗，D曲线，单极
UKB7 series maximum energy consumption, D curve, 1P

周围环境温度变化对负载的影响 The influence of ambient temperature change to the load

环境温度 Environment T(℃)													
In(A)	−25	−20	−10	0	10	20	30	35	40	45	50	50	60
1	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.99	0.97	0.95	0.93	0.90	0.89
2	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.9	1.8	1.8
3	3.4	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7
4	4.9	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9	3.8	3.7	3.6	3.5
5	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.6	4.5	4.4
6	7.3	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8	5.7	5.6	5.4	5.3
10	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9.0	8.9
15	18	18	17	17	16	16	15	15	15	14	14	14	13
16	20	19	19	18	17	17	16	16	16	15	15	14	14
20	24	24	23	22	22	21	20	20	19	19	19	18	18
25	31	30	29	28	27	26	25	25	24	24	23	23	22
32	39	38	37	36	35	33	32	32	31	30	30	29	28
40	49	48	47	45	43	42	40	39	39	38	37	36	35
50	61	60	58	56	54	52	50	49	48	47	46	45	44
63	77	76	73	71	68	66	63	62	61	60	58	57	56

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UKB7和熔断丝D0或NH的短路能力　　UKB7 and the short circuit capacity of Fuse D0 or NH

1.4 高选择性可达1.4kA:☐　无选择性　　1.4 high selectivity is up to 1.4kA:☐ No selectivity

熔断丝D01,D02,D03的选择性 The selectivity of Fuse D01,D02,D03

MCB(UKB7)额定电流 MCB(UKB7)Rated current		熔断丝gL额定电流(A)(IEC269-1) Fuse gl rated current(A)(IEC269-1)								
		10	16	20	25	35	50	63	80	100
C特性曲线 C characteristic curve	1	<0.5	10	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2	<0.5	<0.5	0.5	0.7	10.0	10.0	10.0	10.0	10.0
	3	<0.5	<0.5	<0.5	0.6	1.9	5.2	10.0	10.0	10.0
	4	<0.5	<0.5	<0.5	0.6	1.6	4.0	7.6	10.0	10.0
	6		<0.5	<0.5	<0.5	1.2	2.7	4.5	10.0	10.0
	10			<0.5	<0.5	1.2	2.3	3.1	5.4	10.0
	16					1.1	2.1	2.8	5.4	9.5
	20					1.0	1.1	2.6	4.0	8.3
	25						1.0	2.5	3.8	7.8
	32							2.5	3.7	7.3
	40								3.5	7.0
	50									6.5
	63									5.9
D特性曲线 D characteristic curve	1	<0.5	<0.5	0.7	1.3	10.0	10.0	10.0	10.0	10.0
	2	<0.5	<0.5	0.6	0.8	2.2	6.7	10.0	10.0	10.0
	3	<0.5	<0.5	0.5	0.7	1.8	4.8	9.3	10.0	10.0
	4		<0.5	0.5	0.7	1.7	4.6	7.7	10.0	10.0
	6			<0.5	0.5	1.3	2.9	4.5	9.0	10.0
	10				0.5	1.1	2.2	3.0	5.0	10.0
	16						1.9	2.6	3.9	9.0
	20						1.7	2.3	3.5	8.0
	25							2.2	3.4	7.5
	32								2.9	6.5
	40									5.7

熔断丝NH-00的选择性 The selectivity of Fuse NH-00

MCB(UKB7)额定电流 MCB(UKB7)Rated current		熔断丝gL额定电流(A)(IEC269-1) Fuse gl rated current(A)(IEC269-1)										
		10	16	20	25	35	50	63	80	100	125	160
C特性曲线 C characteristic curve	1	0.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2	<0.5	0.6	1.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	3	<0.5	<0.5	0.7	1.8	2.6	4.7	6.6	10.0	10.0	10.0	10.0
	4	<0.5	<0.5	0.7	1.5	2.1	3.6	5.0	10.0	10.0	10.0	10.0
	6	<0.5	<0.5	0.5	1.2	1.5	2.5	3.3	5.7	10.0	10.0	10.0
	10			0.5	1.0	1.4	2.0	2.5	3.8	8.0	10.0	10.0
	16				1.0	1.3	1.8	2.3	3.3	6.0	8.8	10.0
	20				1.0	1.2	1.7	2.2	3.2	5.5	7.7	10.0
	25						1.6	2.1	3.0	5.2	7.3	10.0
	32							2.1	2.9	5.0	7.0	10.0
	40								2.8	4.8	6.7	10.0
	50									4.5	6.3	9.5
	63										5.9	8.4
D特性曲线 D characteristic curve	1	<0.5	<0.6	1.4	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2	<0.5	<0.5	0.8	2.1	3.1	6.0	8.6	10.0	10.0	10.0	10.0
	3	<0.5	<0.5	0.7	1.7	2.4	4.3	6.0	10.0	10.0	10.0	10.0
	4	<0.5	<0.5	0.4	1.6	2.2	3.8	5.2	10.0	10.0	10.0	10.0
	6		<0.5	0.5	1.2	1.6	2.6	3.3	5.5	10.0	10.0	10.0
	10			0.5	1.0	1.3	1.9	2.5	3.6	7.2	10.0	10.0
	16					1.1	1.6	2.0	3.0	5.5	8.0	10.0
	20						1.4	1.8	2.8	5.0	7.5	10.0
	25							1.8	2.7	4.8	7.0	10.0
	32								2.4	4.1	6.2	9.3
	40									4.0	6.0	9.0