

E2000 Miniature Circuit Breakers – UL 1077

EP100 Series

Performance

Thermal setting In	(A)	0.5-63
Rated voltage AC Un	(V)	277/480
Minimum operating voltage $U_{B \min}$	(V)	12
Tripping characteristics		B-C-D
Selectivity class		3
Mechanical/electrical endurance		20000/10000
Tropicalisation acc. to IEC 60068-2		95% RH at 55°C
Terminal capacity flexible/rigid cable	(mm ²)	25-35
Poles		1,2,3,4
Weight	(g/pole)	125



Short-circuit Capacity

Per UL 1077 & CSA 22.2 No. 235-1989 (File E151139)

Poles	Max. Voltage Rating		Short Circuit Rating kAIC RMS Symmetrical				kAIC DC	
	AC	DC	120	120/ 240	277	480Y/ 277	50	110
1	277	50	10	–	10	–	10	–
2	480Y/277	110	10	10	10	–	–	10
3, 4	480Y/277	110	10	10	10	10	–	–

AC acc. to IEC 60898

Poles	V	Icn (kA)*
1-4	230/400	10

*Ics = 75% Icu

AC acc. to IEC 60947-2

Poles	V	Icu (kA)*
1	240	15
2,3,4	240	30
2,3,4	415	15

*Ics = 50% Icu

DC acc. to IEC 60947-2

Poles	V	Icu/Ics (kA)
1	60	25
2	125	30

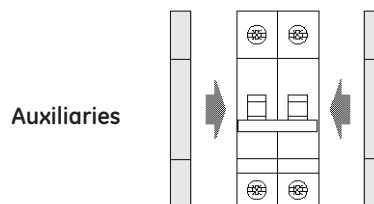
Applications



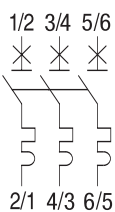
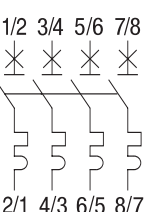
Approval / Marking



Add-on Devices



EP100 Series, 10 kAIC, Tripping Characteristics B-C-D – UL 1077

Poles	In (A)	Tripping Characteristic			List Price Each, GO-135VB
		B (3-5X) Cat. No.	C (5-10X) Cat. No.	D (10-20X) Cat. No.	
1  	0.5	-	EP101ULC0.5	EP101ULD0.5	\$116.00
	1	-	EP101ULC01	EP101ULD01	97.00
	2	-	EP101ULC02	EP101ULD02	97.00
	3	-	EP101ULC03	EP101ULD03	97.00
	4	-	EP101ULC04	EP101ULD04	97.00
	5	EP101ULB05	EP101ULC05	EP101ULD05	97.00
	6	EP101ULB06	EP101ULC06	EP101ULD06	97.00
	10	EP101ULB10	EP101ULC10	EP101ULD10	97.00
	13	EP101ULB13	EP101ULC13	EP101ULD13	97.00
	15	EP101ULB15	EP101ULC15	EP101ULD15	97.00
	16	EP101ULB16	EP101ULC16	EP101ULD16	97.00
	20	EP101ULB20	EP101ULC20	EP101ULD20	97.00
	25	EP101ULB25	EP101ULC25	EP101ULD25	97.00
	30	EP101ULB30	EP101ULC30	EP101ULD30	97.00
	32	EP101ULB32	EP101ULC32	EP101ULD32	97.00
	40	EP101ULB40	EP101ULC40	EP101ULD40	107.00
	50	EP101ULB50	EP101ULC50	EP101ULD50	113.00
	60	EP101ULB60	EP101ULC60	EP101ULD60	119.00
	63	EP101ULB63	EP101ULC63	EP101ULD63	119.00
2  	0.5	-	EP102ULC0.5	EP102ULD0.5	233.00
	1	-	EP102ULC01	EP102ULD01	210.00
	2	-	EP102ULC02	EP102ULD02	210.00
	3	-	EP102ULC03	EP102ULD03	210.00
	4	-	EP102ULC04	EP102ULD04	210.00
	5	EP102ULB05	EP102ULC05	EP102ULD05	210.00
	6	EP102ULB06	EP102ULC06	EP102ULD06	210.00
	10	EP102ULB10	EP102ULC10	EP102ULD10	210.00
	13	EP102ULB13	EP102ULC13	EP102ULD13	210.00
	15	EP102ULB15	EP102ULC15	EP102ULD15	210.00
	16	EP102ULB16	EP102ULC16	EP102ULD16	210.00
	20	EP102ULB20	EP102ULC20	EP102ULD20	210.00
	25	EP102ULB25	EP102ULC25	EP102ULD25	210.00
	30	EP102ULB30	EP102ULC30	EP102ULD30	210.00
	32	EP102ULB32	EP102ULC32	EP102ULD32	210.00
	40	EP102ULB40	EP102ULC40	EP102ULD40	216.00
	50	EP102ULB50	EP102ULC50	EP102ULD50	233.00
	60	EP102ULB60	EP102ULC60	EP102ULD60	245.00
	63	EP102ULB63	EP102ULC63	EP102ULD63	245.00
3  	0.5	-	EP103ULC0.5	EP103ULD0.5	343.00
	1	-	EP103ULC01	EP103ULD01	304.00
	2	-	EP103ULC02	EP103ULD02	304.00
	3	-	EP103ULC03	EP103ULD03	304.00
	4	-	EP103ULC04	EP103ULD04	304.00
	5	EP103ULB05	EP103ULC05	EP103ULD05	304.00
	6	EP103ULB06	EP103ULC06	EP103ULD06	304.00
	10	EP103ULB10	EP103ULC10	EP103ULD10	304.00
	13	EP103ULB13	EP103ULC13	EP103ULD13	304.00
	15	EP103ULB15	EP103ULC15	EP103ULD15	304.00
	16	EP103ULB16	EP103ULC16	EP103ULD16	304.00
	20	EP103ULB20	EP103ULC20	EP103ULD20	304.00
	25	EP103ULB25	EP103ULC25	EP103ULD25	304.00
	30	EP103ULB30	EP103ULC30	EP103ULD30	304.00
	32	EP103ULB32	EP103ULC32	EP103ULD32	304.00
	40	EP103ULB40	EP103ULC40	EP103ULD40	314.00
	50	EP103ULB50	EP103ULC50	EP103ULD50	327.00
	60	EP103ULB60	EP103ULC60	EP103ULD60	342.00
	63	EP103ULB63	EP103ULC63	EP103ULD63	342.00
4  	0.5	-	EP104ULC0.5	EP104ULD0.5	448.00
	1	-	EP104ULC01	EP104ULD01	401.00
	2	-	EP104ULC02	EP104ULD02	401.00
	3	-	EP104ULC03	EP104ULD03	401.00
	4	-	EP104ULC04	EP104ULD04	401.00
	5	EP104ULB05	EP104ULC05	EP104ULD05	401.00
	6	EP104ULB06	EP104ULC06	EP104ULD06	401.00
	10	EP104ULB10	EP104ULC10	EP104ULD10	401.00
	13	EP104ULB13	EP104ULC13	EP104ULD13	401.00
	15	EP104ULB15	EP104ULC15	EP104ULD15	401.00
	16	EP104ULB16	EP104ULC16	EP104ULD16	401.00
	20	EP104ULB20	EP104ULC20	EP104ULD20	401.00
	25	EP104ULB25	EP104ULC25	EP104ULD25	401.00
	30	EP104ULB30	EP104ULC30	EP104ULD30	401.00
	32	EP104ULB32	EP104ULC32	EP104ULD32	401.00
	40	EP104ULB40	EP104ULC40	EP104ULD40	407.00
	50	EP104ULB50	EP104ULC50	EP104ULD50	425.00
	60	EP104ULB60	EP104ULC60	EP104ULD60	437.00
	63	EP104ULB63	EP104ULC63	EP104ULD63	437.00