

SCREW TERMINALS

VERY LONG LIFETIME

HIGH CV PRODUCT

HIGH-TEMP 125 °C

LOW INDUCTANCE ESL

### ■ FEATURES

- All internal contacts welded
- High temp 125°C
- Long useful life
- Low inductance ESL

### ■ APPLICATIONS

- Computer
- Industrial
- Inverter/drives
- Welding

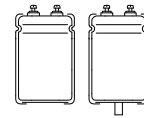
RoHS compliant  
REACH compliant

### ■ GENERAL SPECIFICATIONS

Items	Characteristics
Rated capacitance range $C_R$	3.900... 3.300.000 $\mu\text{F}$
Capacitance tolerance	$\pm 20\%$
Rated voltage range U	16 ... 63 V
Surge voltage $U_S$	$U_S = 1,15 U_R$
Max. reverse voltage	2 V / 13 nH
Category temperature range	- 55°C ... + 125 °C
Leakage current $I_L$ after 5 min @ $U_R$	$\leq 0,008 * C_R [\mu\text{F}] * U_R [\text{V}] + 6 \mu\text{A} [\mu\text{A}]$
Useful life 2000 h @ 125 °C ; $U_R$ ; $I_R$	Requirements $\Delta C/C \leq 30\%$ of initial value ; ESR $\leq 300\%$ of specified ; limit $I_L \leq$ specified limit
Endurance test 1000 h @ 125 °C , $U_R$	Requirements $\Delta C/C \leq 20\%$ of initial value ; ESR $\leq 130\%$ of specified ; limit $I_L \leq$ specified limit
Climatic category IEC 60068	55/125/56
Voltage proof of the external insulation	$\geq 2500$ V AC
Sectional specification	IEC 60384-4

Different voltages and capacitance combinations are available on request. Also in small lots.

Stand: 05/2015

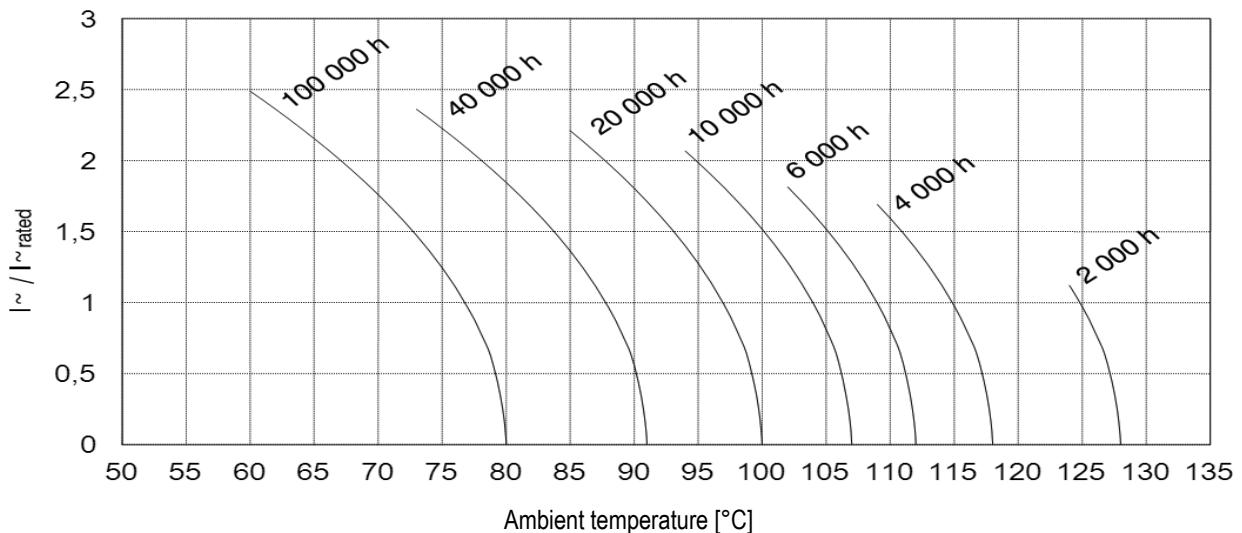


## ELECTRICAL DATA AND ORDERING CODE FOR SERIES GG

Rated voltage $U_R$ [V]	Rated cap. $C_R$ [ $\mu$ F]	Case size D x L [mm]	Typ. ESR 100 Hz, 20°C [m $\Omega$ ]	Ripple current $I_{R\sim}$ 100 Hz, 125°C [A]	Order code	
					Plain base: GGA...	
					Stud mounting: GGB...	
16	27000	35x55	17	5,4	27301635055	
	39000	40x55	11	6,6	39301640055	
	47000	35x70	9	7,8	47301635070	
	56000	35x80	8	9,0	56301635080	
	56000	40x70	8	8,6	56301640070	
	68000	35x100	7	10,8	68301635100	
	68000	40x80	7	10,0	68301640080	
	68000	45x70	7	9,5	68301645070	
	68000	45x100	7	11,0	68301645100	
	82000	50x70	5	11,2	82301650070	
	100000	50x80	4	13,0	10401650080	
	120000	40x100	4	14,6	12401640100	
	150000	50x100	3	17,3	15401650100	
	25	18000	35x55	25	4,4	18302535055
22000		35x70	20	5,3	22302535070	
22000		40x55	20	4,9	22302540055	
27000		35x80	17	6,2	27302535080	
33000		40x70	14	6,6	33302540070	
39000		35x100	11	8,2	39302535100	
39000		40x80	11	7,6	39302540080	
39000		45x70	11	7,2	39302545070	
47000		40x100	9	9,1	47302540100	
47000		50x70	9	8,5	47302550070	
56000		45x100	8	9,9	56302545100	
56000		50x80	8	9,7	56302550080	
82000		50x100	5	12,8	82302550100	

Rated voltage $U_R$ [V]	Rated cap. $C_R$ [ $\mu$ F]	Case size D x L [mm]	Typ. ESR 100 Hz, 20°C [m $\Omega$ ]	Ripple current $I_{R\sim}$ 100 Hz, 125°C [A]	Order code	
					Plain base: GGA...	
					Stud mounting: GGB...	
40	8200	35x55	47	3,2	82204035055	
	12000	40x55	32	3,9	12304040055	
	12000	35x70	32	4,2	12304035070	
	15000	35x80	25	5,0	15304035080	
	15000	40x70	25	4,8	15304040070	
	18000	35x100	21	6,0	18304035100	
	18000	40x80	21	5,6	18304040080	
	18000	45x70	21	5,3	18304045070	
	22000	50x70	17	6,3	22304050070	
	27000	40x100	14	7,5	27304040100	
	27000	50x80	14	7,3	27304050080	
	33000	45x100	12	8,2	33304045100	
	39000	50x100	10	9,5	39304050100	
	63	3900	35x55	73	2,5	39206335055
4700		40x55	61	2,8	47206340055	
5600		35x70	51	3,3	56206335070	
6800		35x80	42	3,9	68206335080	
6800		40x70	42	3,8	68206340070	
8200		35x100	35	4,7	82206335100	
8200		40x80	35	4,3	82206340080	
8200		45x70	35	4,1	82206345070	
10000		50x70	29	4,9	10306350070	
12000		40x100	24	5,8	12306340100	
12000		50x80	24	5,6	12306350080	
12000		45x100	24	5,7	12306345100	
18000		50x100	16	7,5	18306350100	

## USEFUL LIFE AS A FUNCTION OF AMBIENT TEMPERATURE AND ACTUAL RIPPLE CURRENT



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