

- SIA: snap in, 2 pins
- SI4PA: snap in, 4 pins
- GSA: PCB solder pins

**SIA**

**SI4PA**

**GSA**

RoHS compliant  
REACH compliant

### features

- polarized aluminium electrolytic capacitors, non-solid electrolyte
- hermetically sealed
- all internal contacts welded

### applications

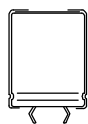
- in hydrogen sensitive areas

**Different case sizes, voltages and capacitance combinations are available on request. Also in small lots.**

### general specifications

items		characteristics
rated capacitance range $C_R$		10 ... 82000 $\mu\text{F}$
capacitance tolerance		$\pm 20\%$
case size		25 x 45; 35 x 50 and 45 x 80 mm x mm
rated voltage range $U_R$		16 ... 450 V
surge voltage $U_S$		$U_S = 1,15 U_R$
max. reverse voltage		2 V
category temperature range		- 40°C ... + 105°C (450 V)
leakage current $I_L$ after 5 min @ $U_R$		$\leq 0,006 * C_R [\mu\text{F}] * U_R [\text{V}] + 6 \mu\text{A} [\mu\text{A}]$
useful life	5000 h @ 105 °C ; $U_R$ ; $I_{R-}$	$\Delta C/C \leq 30\%$ of initial value ESR $\leq 300\%$ of specified limit $I_L \leq$ specified limit
endurance test	2000 h @ 105 °C , $U_R$	$\Delta C/C \leq 20\%$ of initial value ESR $\leq 130\%$ of specified limit $I_L \leq$ specified limit
climatic category IEC 60068		40/105/56
voltage proof of the external insulation		$\geq 2500$ V AC

**SIG/GSG**



**125°C**

**FT<sub>CAP</sub>**

sectional specification

IEC 60384-4