

Product datasheet

Specifications

Intelligent Capacitor

BIC3-4520/20

Standard	IEC/EN 61921 & GB/T15576-2008
Type	New generation box type, Self healing
Power range	40kVAr
Rated voltage	450V $\pm 20\%$
Rated frequency	50Hz $\pm 10\%$
Rated current In	51.28A
Connection	3-phase
Reactance ratio (%)	-
Capacitance tolerance	-5% / +10%
Measurement tolerance	Voltage: $\leq \pm 0.5\%(0.8 \sim 1.2U_n)$, current: $\leq \pm 0.5\%(0.2 \sim 1.2I_n)$ active power: $\leq \pm 2\%$, power factor: $\leq \pm 1\%$, temperature: $\pm 1^\circ\text{C}$
Communication interface	RS485
Communication protocol	Modbus protocol / DL645
Dielectric	Metallized polypropylene film with Zn/Al alloy
Impregnation	Non-PCB, biodegradable soft resin
Temperature category	- 25°C to +55°C (class D)
Max altitude	2000 m
Max relative humidity	Relative humidity $\leq 50\%$ at 40°C; $\leq 90\%$ at 20°C
Maximum permissible current	1.5 In
Maximum inrush current	200 In
Statistical life expectancy	> 130,000 Operating hours
Working mode	Continuous
Protective function	Over-voltage protection, under-voltage protection, short-circuit protection, over-current protection, over-harmonic protection, over-temperature protection, drive failure protection
Dimension WxDxH	80×395×315mm

