

# Product datasheet

## Specifications

### Intelligent power factor relay 32 steps

PFRZ32BIC



General Characteristics	
Standards	JB/T 9663-2013
Product code	PFR-Z
Rated voltage (Un)	220V ±20%
Frequency (fn)	50Hz ±10%
Measurement and Control	
Measurement accuracy	Voltage: $\leq \pm 0.5\%$ (0.8~1.2Un), Current: $\leq \pm 0.5\%$ (0.2~1.2In) Reactive power: $\leq \pm 2\%$ , Power factor: $\leq \pm 1\%$
Control quantity	RS485 communication control 32 pieces of intelligent capacitors (mixed or three-phase compensation) or 16 pieces of communication type composite switches.
Compensation method	Mixed or three-phase compensation
Working Conditions	
Temperature category	- 25°C to +55°C (class D)
Max altitude	2000m
Max relative humidity	Relative humidity $\leq 50\%$ at 40°C; $\leq 90\%$ at 20°C
Environmental condition	No harmful gas and steam, no conductive or explosive dust, no severe mechanical vibration
Mounting position	Indoor, upright
THDv	$\leq 5\%$
Safety Features	
Protective function	Over-voltage protection, under-voltage protection, over-current protection, over-harmonic protection
Communication monitoring capability	
Communication interface	RS485
Communication protocol	Modbus protocol
Mechanical	
Dimension (HxWxD)	120x120x85mm
Switchboard cut-out	113x113mm

