



### ARTICLE CODE

S601FQ-120A

## S601FQ Series



Contact Type

Model Name: S601FQ

#### Main Features:

- Compact design, 120A contact switch-over capability;
- Small contact resistance, high stability of electric contact;
- Strong anti-shock and anti-vibration capability;
- Low power consumption of coils, low temperature rise;
- Dimensions: (43.0×52.0×22.0) mm
- Shunt can be welded or copper conductor be connected

#### CONTACT Parameter

contact type	1A/1B
contact material	Silver Alloy
contact resistance	≤2mΩ
contact load	120A, 250VAC
Max. Transfer power	30000VA
moment striking current Max.	≥4500A
mechanical life	1×10 <sup>6</sup>
electrical endurance	1×10 <sup>4</sup>

#### CHARACTERISTICS

insulating resistance		1000MΩ (500VDC)
medium	between contact and coil	4000VAC 1min
	contact open	2000VAC 1min
close time		20msec, Max
off time		20msec, Max
impact	stability	100m/s <sup>2</sup> (10g)
	intensity	1000m/s <sup>2</sup> (100g)
vibration		10~55Hz 1.5mm
humidity		98%RH, 40°C
temperature		-25~+55°C
exit side		
Weight		80g
packing		boot

#### COIL

coil consumption	unicoil: 2.0W double coil: 4.0w
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#### COIL parameter

voltage rating	actuating voltage (VDC)	Impulse width (ms)	Coil resistance (Ω)
unicoil			
6	4.5	50	18Ω ±10%
9	6.3	50	40Ω ±10%
12	8.4	50	72Ω ±10%
24	16.8	50	288Ω ±10%
Double coiled			
6	4.5	50	(9+9)Ω ±10%
9	6.3	50	(20+20)Ω ±10%
12	8.4	50	(36+36)Ω ±10%
24	16.8	50	(144+144)Ω ±10%

#### Typical Application of the Relay:

1: Mainly used for IC-card-prepayment based electric energy meters

Model 485 meters with the break & make function used in centralized meter reading system;

2: It might also be used for combination switches of electric power factor compensation

switch-capacitor, home appliances and automatic control devices.

#### Typical Uses

- Smart Meter
- Power Composite switch
- Intelligent Lighting Control
- Electric remote control
- Home Intelligent Control

#### Dimensions (mm) 、Wiring diagram

