



## Solenoid Valve Parameters

### Product Name

All-copper 6-point Solenoid Valve/Water Valve - Normally Closed Inlet Valve

### Application Scope

Inlet control for various water-using household appliances and industrial equipment

### Specification & Model

G3/4, FPD-270A

### Working Conditions

Item	Parameters
Working Voltage	DC12V
Current	400mA
Power	4.8W
Pin Size	6.3mm
Fluid Type	Tap water, 0~55℃ (no freezing)
Working Pressure	0.02~0.8 MPa

### Basic Performance

Item	Parameters
Flow Performance	0.5-15 L/min
Starting Performance	100% start at rated voltage under 0.02~0.8MPa
Water Pressure Resistance	Withstand 2MPa for 5 min without leakage/damage
Insulation Resistance	>100MΩ at DC500V
Insulation Class	F class
Durability	50,000 cycles (5s on/5s off) at 0.02~0.8MPa, normal operation after test
Salt Spray Test	No corrosion after 48 hours

### Technical Specifications & Cautions

#### Environmental Conditions for Low-Voltage Solenoid Inlet Valve

Item	Parameters
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Item	Parameters
Altitude	≤2500 meters
Ambient Temperature	0-40°C
Relative Humidity	≤95% (at 25°C)
Type	Pilot-operated (unidirectional) solenoid valve
Operation Mode	Short-time duty system (intermittent periodic duty)
Insulation Class	E class

### Dimensions

Item	Parameters
Inlet Size	6-point external thread, Φ26mm
Outlet Size	6-point external thread, Φ26mm
Product Dimensions	68×34×64 mm (L×W×H)
Packaging Specification	Carton packaging, 100 units/carton