FUD-I/U

Single Phase AC Voltage Current Transducer

Changing the measured AC current/voltage to the DC current/voltage output according to the linear scale;
Excellent temperature characteristic and good working stability;
Configuration compactness and briefness.

Features

1. Single phase current/voltage transducer
2. AC current/voltage transducer
3. Accuracy class can reach 0.2%
4. AC input range can be customized
5. DC output range can be customized

Parameters

Technical Index	
Standard	GB/T 13850-1998, IEC688:1992
Accuracy	0.2%, 0.5%
Consumption	≤3VA
Accuracy drift	Annual variation <0.2%
Insulation voltage	AC 2kV/min.1mA (Between input- output/power)
Insulation resistance	≥20MΩ (DC500V)
Surge voltage	5KV (Peak value), 1.2/50μs
Response time	≤350ms
Input range	AC 0-10A ,AC 0-500V(Option), 50/60Hz
Absorbed power	<0.5VA/450V, <0.2VA/100V, <0.1VA/5A
Overload	Current: 2 times continuous, 30 times/1s; Voltage: 2 times continuous
Load resistance	Current output: RL ≤550Ω Voltage output: RL ≥2kΩ
Working environment	Temperature: -10 to +50°C RH: 20-90%, without condensation
Storage conditions	Temperature: -40 to +70°C RH: 20-95%, without condensation

Technical Index	
Installation	35mm DIN sliding-way or M4 screws
Dimension	55mm x 75mm x 120mm

Model Description

FUD-Type-Input-Power Supply-Output	
Type	I: Single phase AC current transducer U: Single phase AC voltage transducer Ir: Single phase AC real RMS current transducer Ur: Single phase AC real RMS voltage transducer
AC input	A1: 0-1A, A2: 0-5A, A3: 0-10A. V0: 0-70V, V1: 0-120V, V2: 0-250V, V3: 0-300V, V4: 0-450V, V5: 0-500V.
Power supply	P1: AC110V±10%, P2: AC220V±15%, P3: AC110V-330V.
DC output	O1: 0-5V, O2: 1-5V, O3: 0-20mA, O4: 4-20mA, O5: RS485.
Example 1: FUD-I-A2-P2-O4	
FUD series single phase AC current transducer	Input: AC0-5A Power supply: AC220V±15% Output: DC4-20mA
Example 2: FUD-Ur-V3-P2-O4	
FUD series single phase AC real RMS voltage transducer	Input: AC 0-300V Power supply: AC220V±15% Output: DC4-20mA
Please check the type, input range, output range and power supply when your order the product.	