

FUD-3I/3U

THREE PHASE AC CURRENT VOLTAGE TRANSDUCER WITH 4-20MA OUTPUT

FUD-3I/3U 3 phase AC voltage transducer or three phase AC current transducer is a special voltage sensor or current sensor for three-phase AC voltage measurement or current measurement. Voltage transducer has a measuring range from AC 0V to 500V, current transducer has a measuring range 1A/5A, supply voltage supply AC/DC 85V-300V, output signal DC 0-5V/0-20mA/4-20mA. 3 phase voltage transducer is mainly used for power monitoring, power control and dispatching systems in petroleum, coal, metallurgy, railway, power plant and other industries. Change 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 brevity.

Features

1. Standard DIN install ;
2. Excellent linear transducer;
3. AC current / voltage transducer;
4. AC input range can be customized;
5. AC input range can be customized;
6. DC output range can be customized;
7. DC output range can be customized;
8. Accuracy class can reach 0.2% or 0.5%;
9. Three phase current / voltage transducer;
10. Working at wide temperature characteristics;
11. 85-265V AC/DC and 20-60V DC power supply optional;



Application

1. Oil system;
2. Power plant;
3. Industrial filed;
4. Coal auto system;
5. Rail electrical system;
6. Electricity power company;
7. Metallurgy electrical system;

Technical Index

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℃
	RH: 20-90%, without condensation
Storage conditions	Temperature: -40 to +70℃
	RH: 20-95%, without condensation
Installation	35mm DIN sliding-way or M4 screws
Dimension	110mm x 75mm x 120mm

Model Description

FUD-Type-Input-Power Supply-Output

Type	3I: Three phase AC current transducer 3U: Three phase AC 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: AC 85-265V or DC 100-330V, P2: DC 20-60V.
DC output	O1: 0-5V, O2: 1-5V, O3: 0-20mA, O4: 4-20mA, O5: RS485.

Example 1: FUD-3I-A2-P1-O4

FUD series three phase AC current transducer	Input: AC 0-5A
	Power supply: AC220V±15%
	Output: DC4-20mA

Example 2: FUD-3U-V2-P1-O4

FUD series three phase AC voltage transducer

Input: AC 0-250V

Power supply: AC220V±15%

Output: DC4-20mA

Please check the type, input range, output range and power supply when your order the product.