

FUD-DI/DU

4-20mA ELECTRICAL DC CURRENT AND VOLTAGE TRANSDUCER

FUD-DI/DU Single-phase DC current and voltage transducer is a high accuracy high load capacity DC current or voltage to DC current transducer for industrial system. Electrical DC current and voltage transducer change the measured signal to a DC current / voltage output according to the linear scale; excellent temperature characteristic and good working stability, configuration compactness and briefness. DC voltage and transducer used for solar photovoltaic DC cabinet.

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;

Features

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



Technical Index

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Standard	QB/441600 17 079-2001
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)
Absorbed power	≤0.1VA
Overload	Current: 2 times continuous, 20 times/1s;
Load resistance	Current output: RL ≤550Ω Voltage output: RL ≥2kΩ
Working environment	Temperature: -10 to +50°C RH: 20-90%, without condensation

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Storage conditions	Temperature: -40 to +70°C
	RH: 20-95%, without condensation
Installation	35mm DIN sliding-way or M4 screws
Dimension	55mm x 75mm x 120mm

Model Description

FUD-Type-Input-Power Supply-Output

Type	DI: DC current transducer DV: DC voltage transducer
DC input	A1: 0-75mA, A2: 0-100mA, A3: 0-±75mV, A4: 0-±100mV, A5: 0-20mA, A6: 4-20mA, A7: 0-5A, A8: 0-15A, V0: 0-5V, V1: 0-30V, V2: 0-60V, V3: 0-300V, V4: 0-400V, V5: 0-450V, Vn: User define.
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: 1-3-5V, O6: 4-12-20mA.

Example 1: FUD-DI-A2-P1-O4

FUD series DC current transducer	Input: DC 0-100mA Power supply: AC220V±15% Output: DC4-20mA
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Example 2: FUD-DU-V3-P1-O4

Details: FUD series DC voltage transducer	Input: DC 0-300V Power supply: AC220V±15% Output: DC4-20mA
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Please check the type, input range, output range and power supply when your order the product.