

FUD-DI/DU

Electrical DC Current And Voltage Transducer

FUD-DI/DU 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.



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

Parameters

| Technical Index | |
|-----------------------|---------------------------------------------------------------|
| 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(Optional) |
| 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 |
| 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

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| Type | DI: DC current transducer DV: DC voltage transducer |
| AC 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, |
| 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: 1-3-5V, O6: 4-12-20mA. |

Example 1: FUD-DI-A2-P2-O4

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| 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-P2-O4

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| 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.