

DDS353C DATASHEET

Single Phase 4mod DIN-Rail Meter



Standard

The functions of the product meet all the technical requirements of single phase electronic meter in IEC 61036 standard (static AC active power meter).

The meter is intended to be installed in a Mechanical Environment 'M1', with Shock and Vibrations of low significance, as per 2004/22/EC Directive and should be installed in Electromagnetic Environment 'E2', as per 2004/22/EC Directive.

Function and Characteristic

1. Active electricity measuring, without adjust under long-time work.
2. Prevent reverse tamper and indication.
3. Wide work temperature range: -25—55°C

Technical Specification

1. Rated voltage: 220V/230V
2. Rated current: 5(20)A, 5(30)A, 10(40)A, 15(60)A, 20(80)A, 10(100)A
3. Rated frequency: 50Hz
4. Display mode: LCD 5+2 = 99999.99kWh
5. Impulse constant: 1000imp/kWh
6. Class of Accuracy: 1.0
7. Start current: 0.4%I_b (class 1.0)
8. Creep: logical design of Anti-creep
9. Power consumption: ≤1W (when 220V 20A)

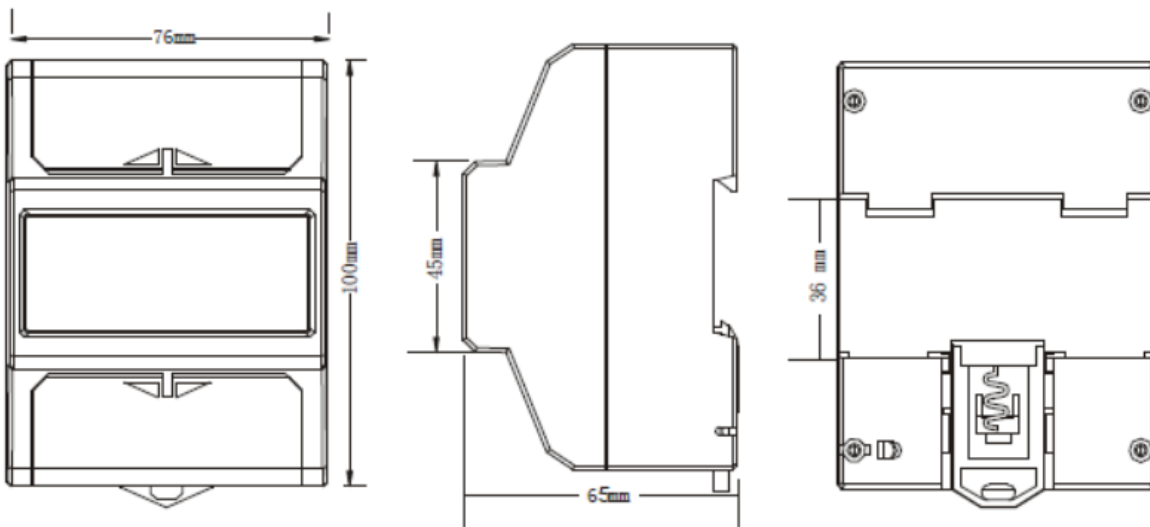
Accuracy (see the form below)

Load current	Power factor COSΦ	Basic error%		
		Class 0.5	Class 1	Class 2
0.05I _b	1.0	±1.0	±1.5	±2.5
0.1I _b ~I _{max}	1.0	±0.5	±1.0	±2.0
0.1I _b	0.5(L)	±1.0	±1.5	±2.5
	0.8(C)	±1.0	±1.5	—
0.2I _b ~I _{max}	0.5(L)	±0.5	±1.0	±2.0
	0.8(C)	±0.5	±1.0	—

10. Environment condition: standard work temperature -20—45°C
 limit work temperature -25—55°C
 relative humidity ≤85%

11. Outside dimensions: 100×76×65mm

V. Meter Dimensions



VI. Wiring Diagram

