

SINGLE-PHASE STATIC ELECTRICITY METERS DDS-1Y-M/L

Scope: Electricity meters of series **DDS-1Y-M** and **DDS-1Y-L** are simple and precise meters for active energy measurement. They are designed for secondary measurements of various appliances, offices and premises.

Description: The electricity meter is equipped with electromechanical register or the display without the possibility of resetting. Impulse switching output with the open collector (SO) is connected to the terminals 20, 21.

Highlights

- Easy assembly
- Simple connection and operation
- High accuracy

Technical data

Precision class	1
Reference voltage [V]	230
Current range [A]	5 (45)
Reference frequency [Hz]	50
Connection	direct
Data display	LCD - version L mechanical register - version M
Number of displayed digits	5+2 – version L 5+1 – version M
Starting current [A]	$\leq 0,004 I_b$
Power consumption	$\leq 0,4 \text{ W}$; 8 VA
Meter constant [imp/kWh]	1000
Impulse constant output SO [imp/kWh]	1000
Standard	EN61010-1(LVD directive), EN61326-1(EMC directive)
EMC environment*	protected (level 2)
Weight [g]	83

* According to EN61000-4-4

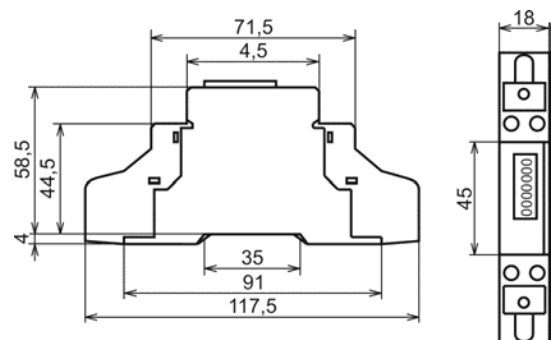
- partial suppression of EFT/B (Electrical fast transient / Burst) in the power supply (1 kV) and control circuit (0,5 kV), which are switched only by relays (no contactors)
- physical separation of unshielded power supply and communication cables.

According to EN61000-4-5

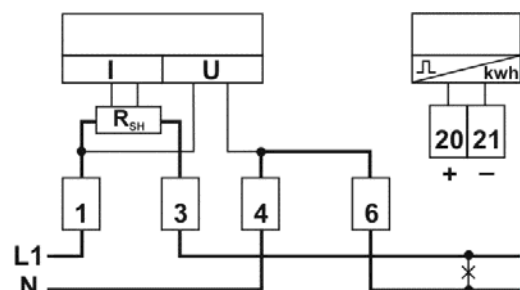
- cables are well separated, even at short runs. Surge voltages may not exceed 1 kV.



Dimensions



Connection diagram



Ordering data

- Meter type
- Number of units