

DTS238-7 VAP(D3713)

three phase voltage/current protective energy meter



D3713

DTS238-7 VAP type multi-function Protective Device is designed to measure three phase four wire AC active energy / reactive and used in overvoltage protection, under voltage protection and over-current protection. In case of over-voltage fault, under-voltage fault or over-current fault in line, this product can instantly power off the load to prevent electrical equipment from being burnt. The over-voltage, under-voltage and over-current values of this product can all be set up by yourself and can be adjusted on the basis of local practical condition .It is a long use-life product with the advantage of high stability , high over load capability , low power loss and wide working voltage range .

Basic Function

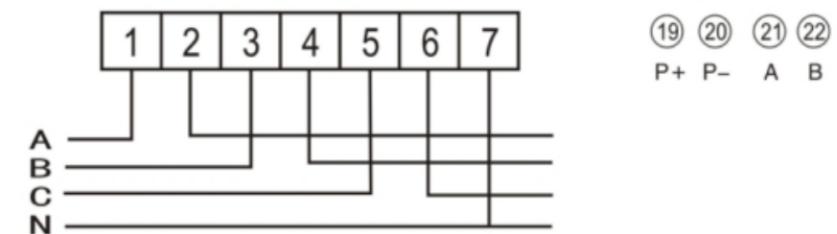
- LCD display with backlight , can display total active energy (kWh) , total reactive energy (kvarh) , three phase real time current (A) , voltage(V) , active power (KW),reactive power (kvar) ,power factor ,frequency
- LCD display kWh (6 digital+2 decimal) , Bi-directional total active energy measurement ,reverse active energy measure in the total active energy
- Product self-design has function of lighting protection
- Overvoltage protection, under voltage protection and over-current protection and lose phase protection can select auto-Reclosing mode or manual--Reclosing mode
- In case of over-voltage fault, under-voltage fault or over current fault, lose phase in any phase line, the product can power off the line and can automatically restore connecting the line over a time delay after voltage of the lien is recovered to normal condition.
- In case of transient over voltage in line, the product can protect the equipment from false operation.
- In case that the line subjects to unstable voltage or sudden power-off and power-on due to loosened connection and other fault, the product will disconnect the line.
- When fault voltage of the line reaches the peak, the product itself will not be damaged.
- Lose neutral line protection
- Lose phase protection ,and there have phase led indication on meter
- Unbalance voltage protection , if the voltage unbalance value exceed the setting value between any 2 phase of three phase .the device will cut off the load .
- Over-current protection mode ,
- It can setting delay time for delay switch on / switch off function
- Interval active energy measure , it can resettable in any time after push button last 5s
- Last 5 times protection event records
- Diversified design for the protection , you can closed t any one of overvoltage protection, under voltage protection and over-current protection in any time
- 35mm din rail installation , bottom type wire connection

Technical Data

Input working voltage	160~300V phase-N
Overvoltage protection value	85-300V (default 270V) phase-N
Under voltage protection value	85-300V (default 170V) phase-N
Over current protection value	1-80A
Rated frequency	50/60Hz
Delay in switch on after power off	5-255s (default 5s) phase-N
Voltage circuit power consumption	≤1W each phase
Current circuit power consumption	<1VA each phase
Active energy display range	0~999999.99kWh
Voltage/current/active power accurate	+0.5%
Active energy accurate	+1% (IEC62053-21)
Operating temperature	-25℃ ~+70℃
Storage temperature	-40℃ ~+80℃
Relative humidity	≤85%
Altitude	≤2500m
Electromagnetic Environment	E2
Mechanical life	≥100000 cycles

Wire connection

(1)three phase four wire direct connection



Outline dimension

