



TC-Power Net-70-500

TC-Power Net-70-500

Code: M52634. DESCATALOGADO

> Power analyzer

> Protocol: Modbus/RTU> Usefull diam.(mm): 70> Communications: RS-485> Max. Current (A): 500

Specifications

Installation category	CAT III 300/520 Vac	
Consumption	4.2 VA	
Frequency	5060Hz	
Nominal voltage	400 Vc.a.(-15+10%)	
Mechanical characteristics		
Size (mm) width x height x depth	130 x 110 x 46 (mm)	
Envelope	Self-extinguishing V0 plastic	
Weight (kg)	0,33	
nvironmental characteristics		
Protection class	IP 20	
Relative humidity (without condensation)	595%	
Working temperature	-10+50 °C	
tandards		
Certifications	UL, VDE	
Electrical safety, Maximum height (m)	2000	
Electrical safety, Installation category	CAT III 300V / 520V, IEC 61010	
Standards	IEC 44-1, UL 94, VDE 0414	
urrent measurement circuit		
Nominal current (In)	500 A	
Phase current measuring range	10100%	
Permanent overload	1.2 ln	
oltage measurement circuit		
Frequency measuring range	4565 Hz	
Nominal voltage	300V Ph-N, 520V Ph-Ph	
Insulation voltage	3 kV~	
Maximum input voltage consumption	0,75 VA	



Electrical characteristics





TC-Power Net-70-500

Code: M52634.

Insulation voltage, circuit	3 kVc.a.
Electrical safety	
Insulation	Double-insulated electric shock protection class II (IEC 61010-1)
Measurement accuracy	
Power factor measurement	0,51
Phase voltage measurement	0.5 % ±2 digits
Serial communication	
Technology / Type	RS-485

It requires the following in the case of three-phase systems: 1 Power Net xx-xxx + 2 TC-Power Net xx-xxx. The Power Net system is based on the installation of a master unit (Power Net), with which the measurement is taken in the 3 voltage and neutral phases, and the L1 current is measured. To measure current L2 and L3, install 2 TC-Power Net units connected to the master unit. They feature RS-485 communications, using the Modbus/RTU protocol.

