Three phase intelligent reclosing protector

Overview:

The DTS6619 three-phase four wire overvoltage and undervoltage current limiting protector is currently available in the market

A new generation of home appliance protection device developed by the Electric Condition Institute. Control circuit selection

Assembled with imported components, produced using modular standards for performance

Excellent and reliable. Capable of being positive under abnormal voltage, current, and phase sequence conditions

Work regularly. When the mains voltage and current exceed the action threshold of the protector

When the phase sequence is disordered and the voltage and current are unbalanced, the protector can quickly

Reliably cut off the circuit to protect electrical equipment and personal safety.

When the mains voltage returns to normal, the protector can automatically connect to the power supply

Restore power supply, automatic implementation of local functions, no need for personnel operation.

Main functions:

1. Overvoltage protection, undervoltage protection, overload protection, undercurrent protection, delay protection

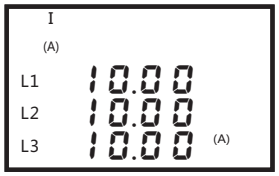
Time protection, voltage imbalance protection, current imbalance protection, shortage

Phase protection and phase sequence protection, each parameter can be set with action threshold and on/off.

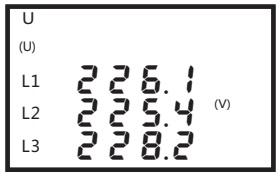
2. The backlight display shows no action for 180 seconds, and the relay is disconnected with a red backlight,

Normal white backlight

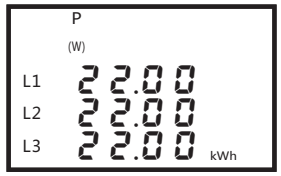
Press the up and down buttons to switch and display the voltage, current, and power of the three phases
Power factor, frequency.



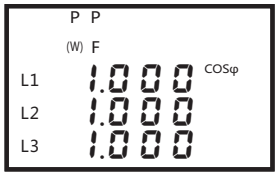
Real time current



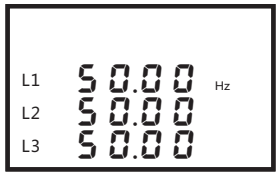
Real time voltage



Real time power



Real time power factor



Real time frequency

Fault record:

Record overvoltage, undervoltage, overload, low current protection, voltage imbalance,Current imbalance and phase sequence protection.Note: Graffiti App Record

WIFI indicator status:

1 flash indicates waiting for WIFI signal to be detected
2 slow flashes indicate WIFI offline status
3 long lights indicate that WIFI is connected.

Function settings:

Long pressand hold the setting button to enter the setting status display setting page, flashing the set data bits

Set the content of this bit through the up and down buttons

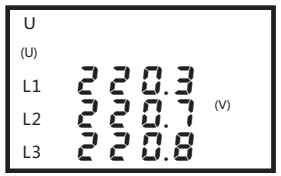
Short press the setting key to switch the setting bit

Short press OK to confirm the settings on this page and jump to the next settings page

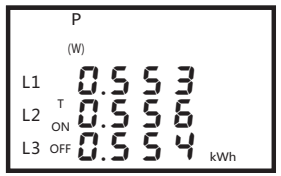
Long press OK to exit the setting state and save the settings

Display the "Voltage" interface: Long press and hold to configure WIFI, and switch the display to EPS (Combined active power), long press and hold to clear the power, and display the "Frequency Interface"Restore factory configuration.

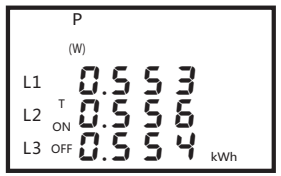
1. Press the up and down buttons to switch and display the voltage, current, and power of the three phases
Power factor, frequency.



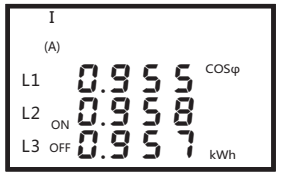
phase voltage



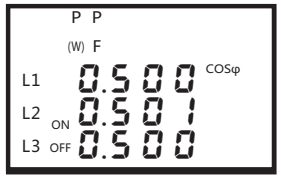
three-phase current



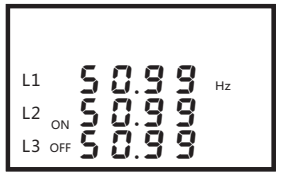
Three phase active power



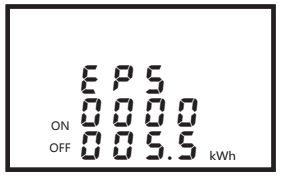
Three phase reactive power



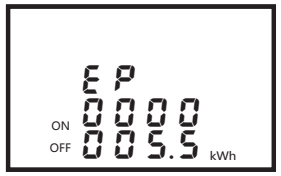
Three phase power factor



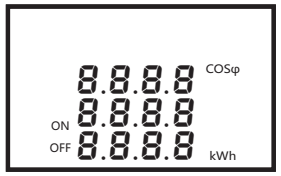
Three phase frequency



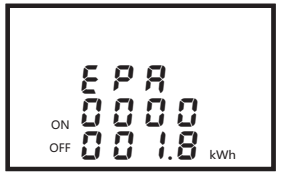
Active combined electricity quantity



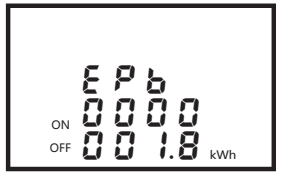
Active forward electric quantity



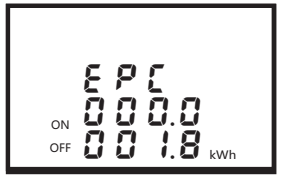
Active reverse electric quantity



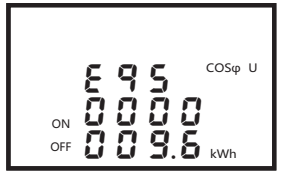
Active A-phase electric quantity



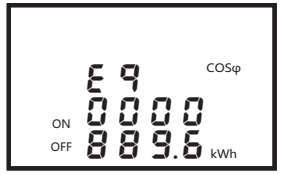
Active phase B electric quantity



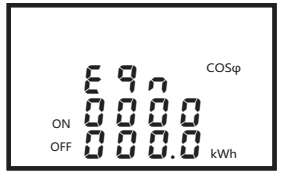
Active C-phase electric quantity



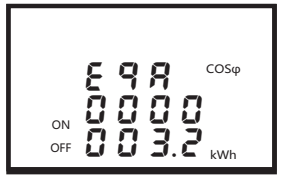
Combined reactive power consumption



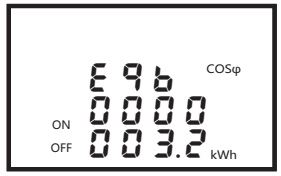
Reactive forward charge



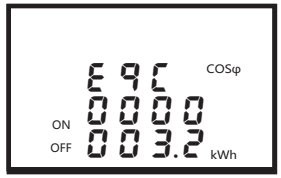
Reactive reverse energy



Reactive phase A electric quantity



Reactive phase B electric quantity



Reactive C-phase electric quantity

Fault record:

Record overvoltage, undervoltage, overload, low current protection, voltage imbalance,Current imbalance and phase sequence protection.Note: Graffiti App Record

WIFI indicator status:

1 flash indicates waiting for WIFI signal to be detected
2 slow flashes indicate WIFI offline status
3 long lights indicate that WIFI is connected.

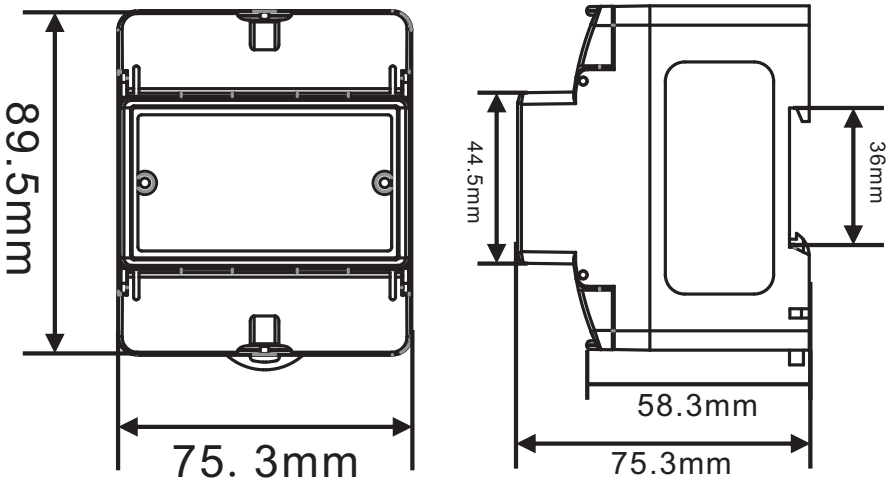
Installation and usage conditions:

1. Temperature: -20℃~60℃
2. Humidity: ≤85%
3. Altitude: not exceeding 2000m
4. Pollution level: Level 3
5.Modular design for exterior design and guide rail installation.
6. Wiring capacity: Insulated copper wire of 35 square millimeters and below.

Precautions:

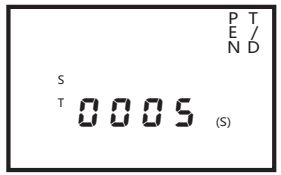
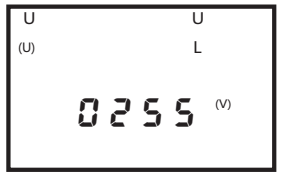
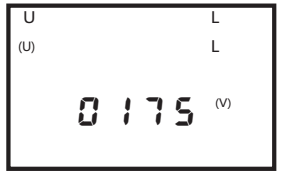
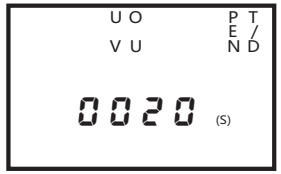
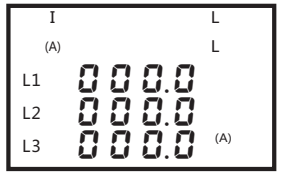
1. This product has no isolation function. Please disconnect the front stage when repairing the circuit
Circuit breaker switch.
2. The zero line (N line) of this product is directly connected without disconnection function.
3. The protector must be wired according to the markings and must not be connected incorrectly.
4. Although this product has limited current protection function, it cannot replace circuit breakers,
Please install circuit breakers such as DZ47 and C65 at the front end of the line
Short circuit protection.
5. Before use, please tighten the clamp screw to prevent poor contact and
Damaged product.

Installation wiring and dimensions:

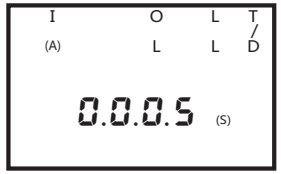
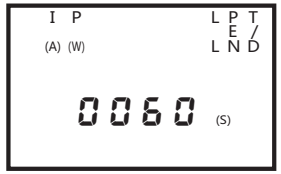
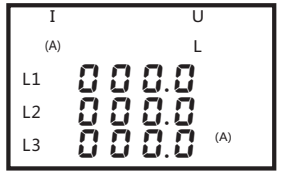
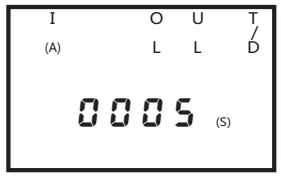
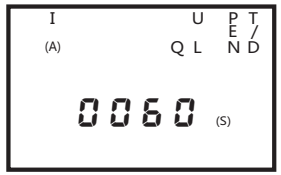


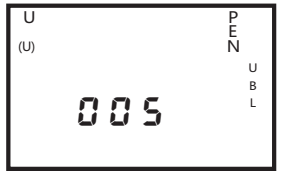
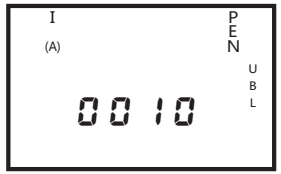
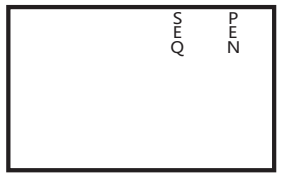
Guarantee period:

Within 12 months from the date of production, if there are any product quality issues, and
The strip is intact, and our factory will provide free replacement. Within 36 months, there are products available
If there is a quality issue and the seal is intact, our factory will provide free repair.

function	Set parameter range	Factory default settings	Function Description
Protection delay	----(hand movement) 0000-9999second(s)	5second	 Power on delay protection for sudden power outage Instantaneous overvoltage or excessive surge in electrical protection.
Upper voltage limit	60V-300V	275V	 The maximum voltage limit is set to 300V, for example: set to 300V The above voltage, after saving the data, is also 300V (Can be set in separate phases)
Lower voltage limit	60-300V	175V	 The minimum voltage limit is set to 60V, such as setting 60V to Lower the voltage, and after saving the data, it is also 60V. (Can be set in separate phases)
Under voltage and over voltage Protection delay	----(hand movement) 0000-9999secondsecond(s)	20second	 Voltage above or below the set value, protection The device automatically switches off when the voltage returns to normal Close after setting the delay time.
Lower current limit	0.0-60A	0.0 A	 For example, set the lower current limit of 10A and the working power If the current is lower than 10A, the delay time will be set Inner pull brake. (Can be set in separate phases)

----Represented as: manual recovery 0000 Represented as: immediate recovery

function	Set parameter range	Factory default settings	Function Description
Current overload Lower limit delay	0000-9999second(s)	5second	 For example, if the lower limit of the current is set, the overload delay will be 5 seconds, and if the working current is lower than the set value, the delay will be 5 seconds to pull the switch.
Current overload Lower limit delay	0000-9999second(s)	20second	 For example, set the current lower limit protection to delay for 20 seconds, and after the working current is normal, close it after delaying for 20 seconds at the set value.
Upper limit of current	0.1-80A	80A	 For example, if the upper limit of the current is set to 80A, if the working current exceeds 80A, the switch will be opened within the set delay time. (Can be set in separate phases)
Current overload Upper limit delay	0000-9999second(s)	5second	 For example, if the upper limit of the current is set, the overload will delay for 5 seconds, and if the working current is higher than the set value, it will delay for 5 seconds to pull the switch.
Upper limit of current Protection delay	0000-9999second(s)	60second	 For example, set the current limit protection to delay for 60 seconds, and after the working current is normal, close it after a delay of 60 seconds at the set value.

function	Set parameter range	Factory default settings	Function Description
Uneven voltage Balance protection%	On/off 0000-9999%	On	 The highest and lowest values of ABC phase voltage exceed Set the% value to immediately switch off.
Current unevenness Balance protection%	On/off 0000-9999%	On	 The highest and lowest values of ABC phase current exceed Set the% value to immediately switch off.
phase-sequence protection	On/off	On	 If there is any phase error in the ABC phase sequence, immediately switch off.

SINOTIMER DTS6619-WIFIPV 3P+N

Manual extins in limba romana

Prezentare produs

DTS6619-WIFIPV este un protector inteligent trifazat 3P+N cu reconectare automata, monitorizare WiFi si protectii complete pentru instalatii electrice, tablouri de distributie si sisteme fotovoltaice. Dispozitivul monitorizeaza tensiunea, curentul, puterea, energia consumata, factorul de putere si frecventa in timp real.

Functii principale

Protectie la supratensiune, subtensiune, supracurent, subcurent, dezechilibru de tensiune, dezechilibru de curent, lipsa faza, succesiune incorecta a fazelor, intarziere la reconectare si protectie la sarcina.

Afisaj si monitorizare

Afisajul permite vizualizarea tensiunilor pe faze, curentilor pe faze, puterii active, puterii reactive, factorului de putere, frecventei, energiei totale, energiei directe si inverse. Sunt disponibile inregistrari pentru evenimentele de protectie.

Indicator WiFi

Clipire rapida = cautare retea WiFi. Clipire lenta = dispozitiv offline. Aprins continuu = conectat la reteaua WiFi.

Configurare

Apasati lung tasta SET pentru acces la meniul de configurare. Cu tastele sus/jos se modifica valorile. OK confirma si salveaza setarile.

Parametri configurabili

Prag supratensiune 60-300V, prag subtensiune 60-300V, prag supracurent 0.1-80A, prag subcurent 0-60A, temporizari de protectie si recuperare intre 0 si 9999 secunde.

Protectie dezechilibru

Dispozitivul poate opri alimentarea atunci cand diferenta dintre faze depaseste procentul configurat pentru tensiune sau curent.

Protectie succesiune faze

Daca ordinea fazelor ABC este incorecta, dispozitivul declanseaza automat protectia.

Conditii de utilizare

Temperatura de functionare: -20°C pana la +60°C. Umiditate maxima 85%. Altitudine maxima 2000 m. Montaj pe sina DIN.

Instalare

Se recomanda montarea unui intreruptor automat in amonte pentru protectie la scurtcircuit. Conexiunile trebuie stranse ferm pentru evitarea contactelor imperfecte.

Garantie

Conform manualului producatorului, defectele de fabricatie sunt acoperite in perioada de garantie in conditiile respectarii instructiunilor de instalare si utilizare.

Atentionare importanta

Instalarea, verificarea, punerea in functiune si mentenanta acestui produs trebuie realizate exclusiv de personal calificat si autorizat ANRE. Nerespectarea instructiunilor poate conduce la defectarea echipamentului, incendiu sau electrocutare.