

W805

Feeder Terminal Unit



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W805 is a remote terminal unit for distribution automation which controls and monitors Load Break Switch. It measures various electrical quantities of power line and transmits data to control center through remote communication. The most important benefits are fast calculation, high resolution and complete and user friendly HMI.

Fault

Over Current
Phase
Earth
Negative Sequence
Broken Conductor
SEF (Sensitive Earth Fault)
Synchronism Check
Voltage Difference
Phase Difference
Frequency Difference
Direction Detection
Cold Load
Phase
Earth
Negative Sequence
Inrush Restraint
Phase
Earth
Negative Sequence
2 nd Harmonic Block
Open Line Detection
Over / Under Voltage
Over / Under Frequency
Analog Hi/Low Alarm
Auto Sectionalizing

Measurement

Voltage
Source
Load
Current
Phase
Earth
Power
Active
Reactive
Apparent
Power Factor
Frequency
Temperature

PQM

Sequence Component
Voltage
Current
Sag/ Swell/ Interruption
Displacement Power Factor
THD
Voltage
Current
Harmonic 2-63st (Odd/Even)
Voltage
Current
Unbalance
Voltage
Current

Additional Functions

4-Quadrant Metering
PQM Alarm
Analog Alarm
4 Setting Group
Main/Reverse
Alternate/Reverse

Recording

Protection Profile	2048
I/O Event Profile	512
PQM Event Profile	1024
Function Profile	2048
Parameter Profile	2048
Waveform Profile	62
Up to 128 Sample/Cycle	
6 Cycle Fault Start	
20 Cycle Pre Fault	
10 Cycle Post Fault	

Analog Input

6 Voltage
Source
Load
4 Current
3 phase
1 Neutral

Digital Input/ Output

4 Output
8 Input

HMI

160 * 160 Graphic Display (BW)
16 Button Keyboard
36 Led Indicator

Communication

Ethernet – DNP3.0, IEC60870-5-101/104, HMI Software
Serial RS232 – DNP3.0, IEC60870-5-101/104
Serial RS232 – HMI Software
RS485 – Modbus RTU

Hardware

Power Supply
Battery Charger
Battery Test Circuit

Environment Condition

Operating Temperature -25 to +70 °C
Humidity < 95% RH
Altitude < 2000 m

Mechanical Parameters

Dimensions: 280 * 164 * 78 mm
Weight: 3200 gr

Standards

IEC 61000-4-2/ 3,4,5,6,8,11,17,18,29
IEC 61000-6-5
IEC 60068-2-1 / 2,6,27,30
IEC 60255-1 /27,151
IEEE C37.1
CISPR22

