

wb20

Multi Feeder Terminal Unit



W620 is a Multi feeder terminal unit for distribution automation which controls and monitors (up to 4) Load Break Switch(s). 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

SEF (Sensitive Earth Fault)

NPS (Negative Phase Sequence)

Cold Load

Synchronism Check

Direction Detection

2nd Harmonic Block

Open Line Detection

Over / Under Voltage

Over / Under Frequency

Auto Sectionalizing

Analog Hi/Low Alarm

Analog Input

3 Voltage Source (Per Feeder)

4 Current 3 Phase/ 1 Neutral (Per Feeder)

Digital Input/ Output

13 Input (Common) + 8 Input (Per Feeder)

1 Output (Common) + 2 Output (Per Feeder)

HMI

160*160 Graphic Display (BW)

14 Button Keyboard

35 Led Indicator

Measurement

Voltage Source/ Load

Current Phase/ Earth

Power Active/ Reactive/ Apparent

Power Factor

Frequency

Temperature

Communication

Ethernet – DNP3.0(AES128), IEC60870-5-101/104, HMI Software

Serial RS232 – DNP3.0(AES128), IEC60870-5-101/104

Serial RS232 – HMI Software

PQM

Sag/ Swell/ Interruption

Displacement Power Factor

Sequence Component

THD Voltage/ Current

Harmonic 2-31st (Odd/Even) Voltage/ Current

Voltage/ Current Unbalance

Hardware

Power Supply

Battery Charger

Battery Test Circuit

Environment Condition

Operating Temperature -25 to +70 °C

Humidity < 95% RH

Altitude < 2000 m

Recording

Function Event

Digital I/O Event

System Event

PQM Event

Analog Input Event

Counters Switch Open, Switch Close, ...

Mechanical Parameters

Dimensions: 352 * 215 * 70 mm

Panel Cut-Out: 327 * 195 mm

Additional Functions

4-Quadrant Metering

Analog Alarm