MiCOM P127
New Cost effective solution for MV Feeder

To answer the tremendous challenge of managing energy flows, the MiCOM P127 now offers both Class 0.5 metering and protection functions in a single compact box.

Due to its flexibility, simplicity and reliability, the MiCOM P127 perfectly suits feeder applications in oil & gas, mining & metal, infrastructures, power plants and distribution utilities.

What’s New on the MiCOM P127?

METERING FACILITIES
Dedicated measurement CTs permit data acquisitions to reach Class 0.5 for power and energy.
Power quality measurements such as harmonics, THD and TDD are provided to evaluate network reliability.

DUAL IEC 60870-5-103 PORT
Due to its connection to two independent IEC103 master stations, maintenance action can be performed without disturbing day-to-day operator work.

LOAD SHELDDING MANAGEMENT
Rate of Frequency change used to balance the supply of electricity on the network with the electrical load.

CT SUPERVISION
To monitor the complete acquisition chain, detection of phase CT loss has been implemented.

8 SETTINGS GROUPS
Up to eight independent setting groups are available to manage various customer application schemes.

CUSTOMER BENEFITS
• Highly reliable
• Full set of measurements, metering & records
• Full set of MV protection functions
• Simple & flexible solution
**FLEXIBILITY**
Full set of MV protection functions
All-in-one solution including current, voltage and frequency protection functions to cover MV Feeder requirements.

Advanced communication protocols
Easy integration in substation Digital Control System or SCADA through Modbus, IEC60870-5-103 or DNP3 protocols.

Multiple synchronization source
Modulated & unmodulated IRIG-B, opto-input or RS485 protocol synchronization used to insure a time stamping accuracy of 1ms.

Customizable reflex automation
Up to 8 independent & inter-usable Boolean Logic Equations based on AND/OR/NOT gates available to implement customer reflex automation scheme.

**State of the art manufacturing site**

**SIMPPLICITY**
Minimize spare variants
Single model including:
- dual rated CT inputs (1A or 5A)
- universal power supply (24-250Vdc/48-240Vac)
- digital inputs (24-250Vdc/24-240Vac)

Ease replacement
Withdrawable design to eliminate the need for rewiring and disconnecting communication port which considerably reduce time to replace it.

Fast configuration
Settings configuration to be performed via its 13 languages user-friendly HMI ( Chinese, Russian, Portuguese, Turkish ...etc), via S1 Studio settings software or via its dedicated RS485 maintenance port.

Ease post-fault analysis
Up to 250 events, 25 fault and 5 disturbance records available for quick and efficient post–fault analysis.

**RELIABILITY**
Compliance with international standard
Quality design compliant with ANSI, CE, IEC, ENA, UL/CSA standard.