

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 SHEDDING 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

Environmentally friendly plant certified ISO 9001:2000, ISO 14001 and OHSAS 18001.



World class laboratories

IEC 17025 accredited demonstrating independent assessment and able to perform test to comply with any environmental standards & EMC.

SIMPLICITY

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

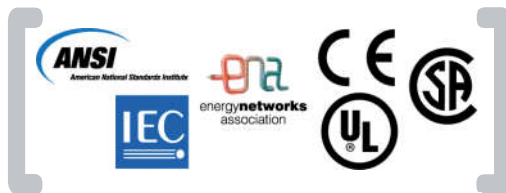
Up to 250 events, 25 fault and 5 disturbance records available for quick and efficient post-fault analysis.



RELIABILITY

Compliance with international standard

Quality design compliant with ANSI, CE, IEC, ENA, UL/CSA standard.



jp progress engineering co.ltd
PLC & WEB SCADA System
DLMS to Modbus & IEC61850 converter
 www.jpprogress.com
 Email:info@jpprogress.com
 Tel:02-832-826,02-832-7263 Fax 02-832-3590

Schneider Electric Industries SAS

35, rue Joseph Monier
 CS 30323
 F - 92506 Rueil Malmaison Cedex (France)
 Tel.: +33 (0) 1 41 29 70 00
 RCS Nanterre 954 503 439
 Capital social 896 313 776 €
 www.schneider-electric.com

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