MiCOM P127 - Overcurrent and earth fault protection relay-30 TE-Standard display

Main

Range of product: MiCOM P127
Device short name: P127
Relay application: Feeder
Protection type:
- Overcurrent ANSI code: 50/51
- Recloser ANSI code: 79
- Cold load pick-up
- Earth fault ANSI code: 50G/51G
- Lockout ANSI code: 86
- Negative sequence overvoltage ANSI code: 47
- Undervoltage ANSI code: 27
- Overvoltage ANSI code: 59
- Rate of change of frequency ANSI code: 81R
- Neutral voltage displacement ANSI code: 59N
- Thermal overload protection ANSI code: 49RMS
- Underfrequency ANSI code: 81L
- Phase undercurrent ANSI code: 37
- Breaker failure ANSI code: 50BF
- Negative sequence overcurrent ANSI code: 46
- Restricted earth fault ANSI code: 64REF
- Directional earth fault ANSI code: 67N
- Directional phase overcurrent ANSI code: 67
- Overfrequency ANSI code: 81O
- Voltage-restrained overcurrent ANSI code: 50V/51V

Number of inputs:
- 4 current input CT...X/5 A and X/1 A
- 3 voltage
- 12 discrete

Number of outputs:
- 9 discrete

Communication port protocol:
- DNP3
- IEC 60870-5-103
- Modbus RTU

Complementary

[Us] rated supply voltage:
- 24...250 V DC 19.2...300 V
- 48...250 V DC 38.4...300 V
- 48...240 V AC 38.4...264 V

Control and monitoring type:
- Circuit breaker/contactor control

Network and machine diagnosis type:
- Fault recording
- Event recording
- Disturbance recording 15 s

Switchgear diagnosis type:
- CT/VT supervision
### Display type
Backlit LCD: 2 lines of 16 characters

### Discrete input voltage
- 24...250 V DC 19.2 V standard variant
- 48...250 V AC 19.2 V standard variant
- 48...250 V DC 105 V further option
- 48...250 V DC 77 V further option
- 48...250 V DC 154 V further option
- 48...240 V AC 105 V further option
- 48...240 V AC 77 V further option
- 48...240 V AC 154 V further option

### Communication port support
- RS232
- RS485

### Environment

<table>
<thead>
<tr>
<th>Type of measurement</th>
<th>Current</th>
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| Height              | 177 mm total:  
|                     | 156 mm embedded: |
| Width               | 155 mm |
| Depth               | 249.6 mm total:  
|                     | 223 mm embedded: |
| Device mounting     | Flush |