**MULTIS L40**

**Measurement devices**

96 x 96 - Three phases - All electrical parameters measurement

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**Function**

The SOCOMEC MULTIS range 96 x 96 insure the measurement of all your electrical parameters, V, A, Hz, P, Q, S, COS \( \varphi \)… For Single and Three phases network.

**Applications**

- The MULTIS L40 is a digital three phase multimeter for measuring electrical values in LV and HV networks. In addition to the MULTIS L20 functions the MULTIS L40 also offers MODBUS RTU communication via RS485, measurement of the energies (active, reactive) and pulse output.

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**Multi-meter MULTIS L40**

**Electrical characteristics**

<table>
<thead>
<tr>
<th>Measurements</th>
<th>LV or HV, three phase + neutral</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC network</td>
<td>Secondary 0.05...5.5 A</td>
</tr>
<tr>
<td>Measurement range</td>
<td>Primary 5/5 A ... 10000/5 A</td>
</tr>
<tr>
<td></td>
<td>Primary 1/1 A ... 2000/1 A</td>
</tr>
<tr>
<td></td>
<td>Secondary 10...300 VAC</td>
</tr>
<tr>
<td></td>
<td>Primary 10 V...200 kVAC</td>
</tr>
<tr>
<td>Measurement range between phases</td>
<td>10 ... 500 VAC</td>
</tr>
<tr>
<td>Accuracy</td>
<td>1 % ± 1 digit</td>
</tr>
<tr>
<td>Communication</td>
<td>MODBUS RTU via RS485</td>
</tr>
</tbody>
</table>

**Pulse output**

- **Weight**: 1 Wh ... 1 MWh / 1 VArh ... 1 MVArh
- **Operation current**: 50 mA max.
- **Operation voltage**: 5 ... 24 VDC ; 30 VDC max.
- **Pulse duration**: 100 ms max.

**Input**

- **Operation voltage**: 12 ... 48 VAC / DC

**Auxiliary power supply**

- **Voltage**: 190 ... 290 VAC
- **Frequency**: 45 ... 65 Hz
- **Consumption**: < 4 VA

**Operating conditions**

- **Operating temperature**: -5 ... +50 °C

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**Case**

<table>
<thead>
<tr>
<th>Type</th>
<th>panel mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions W x H x D</td>
<td>96 x 96 x 82 mm</td>
</tr>
<tr>
<td>Panel cut out dimensions (H x W)</td>
<td>91 x 91 mm</td>
</tr>
<tr>
<td>Front protection rating</td>
<td>IP40</td>
</tr>
<tr>
<td>Weight</td>
<td>0.45 kg</td>
</tr>
</tbody>
</table>
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Measurement devices

96 x 96 - Three phases - All electrical parameters measurement

Connection

Computer Connection

References

Auxiliary supply
190 ... 260 VAC

Frequency
50/60 Hz

MULTIS L40 Reference
192J 9110