### Characteristics

**Product data sheet**

**TSXCSY84**

- Multi axis control module - for SERCOS digital servo drives - 1800 mA at 5 V DC

---

**Main**

- **Range of product**: Modicon Premium Automation platform
- **Product or component type**: Multi axis control module
- **Product specific application**: SERCOS digital servo drives
- **Number of channels**: 32
- **Number of axis**: 4 imaginary, 4 remote, 8 real
- **Path function**: Following of auxiliary axes, Simple linear path
- **Communication network type**: SERCOS 2
- **Structure type**: Industrial conforming to EN 61491

**Complementary**

- **Set of axes**: 4 followers, 4 coordinated
- **Cam profile**: 7
- **Topology**: Ring
- **Transmission support medium**: Fiber optic cable
- **Transmission rate**: 4 Mbit/s
- **Cycle time**: 2 ms for 2, 2 ms for 4, 4 ms for 8
- **Maximum number of segment of SERCOS network**: 9
- **Maximum optic fiber length**: 150 m glass, 38 m plastic
- **Maximum length of segment**: 100 m bus X
- **Power dissipation in W**: 9 W
- **Local signalling**:
  - 1 LED (green) module operating (RUN):
  - 1 LED (red) external fault (I/O):
  - 1 LED (red) internal fault, module failure (ERR):
  - 1 LED (yellow) flashing indicates data transmission and reception (SER):
  - 1 LED (yellow) flashing module reinitializing (INI):
  - 24 LEDs (green) channel diagnostic:
- **Current consumption**: 1800 mA at 5 V DC
- **Net weight**: 0.52 kg

---

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
### Environment

<table>
<thead>
<tr>
<th>Standards</th>
<th>EN/IEC 61491</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP degree of protection</td>
<td>IP20</td>
</tr>
<tr>
<td>Ambient air temperature for operation</td>
<td>0…60 °C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>10…95 % without condensation</td>
</tr>
</tbody>
</table>

### Contractual warranty

<table>
<thead>
<tr>
<th>Warranty</th>
<th>18 months</th>
</tr>
</thead>
</table>