**Product data sheet**

**Characteristics**

**LT3SE00M**

PTC probe relay TeSys - LT3 with automatic reset
- 230 V - 1 NC

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<table>
<thead>
<tr>
<th><strong>Main</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>LT3</td>
</tr>
<tr>
<td>Device short name</td>
<td>LT3SE</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Thermistor protection units</td>
</tr>
<tr>
<td>[Uc] control circuit voltage</td>
<td>230 V AC 50/60 Hz</td>
</tr>
<tr>
<td>Reset</td>
<td>Automatic reset</td>
</tr>
</tbody>
</table>

| **Complementary**                                                      |                  |
| Control circuit voltage limits                                         | 0.85...1.1 Uc     |
| Contacts type and composition                                          | 1 NC single voltage|
| [Ith] conventional free air thermal current                           | 5 A for output control relay |
| [Ui] rated insulation voltage                                          | 500 V AC output control relay |
| [Ue] rated operational voltage                                         | 250 V AC 50/60 Hz for output control relay |
| Signalling function                                                    | Without           |
| Control type                                                           | Automatic reset   |
| Probe interchangeability                                               | Label mark A conforming to IEC 60034-11 |
| Hold-in power consumption in W                                         | >= 1 W            |
| Hold-in power consumption in VA                                        | < 2.5 VA          |
| Resistance                                                             | 1500…1650 Ohm reset |
|                                                                      | 2700…3100 Ohm tripping |
| Number of probes                                                       | 0…6              |
| Input voltage                                                          | < 2.5 V (1500 Ohm) for probe |
|                                                                      | < 7.5 V (4000 Ohm) for probe conforming to IEC 60034-11 |
| Short circuit detection resistance                                     | < 20 Ohm          |
| Condition of use                                                       | Connection of probes 400 m for >= 1 mm² |
|                                                                      | Connection of probes 300 m for >= 0.75 mm² |
| [Uimp] rated impulse withstand voltage                                 | 2.5 kV            |
| Rated power in VA                                                      | 100 VA at 220 V - electrical durability: 500000 cycles |
| Breaking capacity                                                     | 2 A at 24 V DC DC-13 |

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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.

Jun 22, 2019
### Connections - terminals

<table>
<thead>
<tr>
<th>Power circuit</th>
<th>Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power circuit : cage type connector 1 cable 0.75...2.5 mm² - cable stiffness: flexible - with cable end</td>
<td>Power circuit : cage type connector 1 cable 0.75...2.5 mm² - cable stiffness: solid - with cable end</td>
</tr>
<tr>
<td>Power circuit : cage type connector 1 cable 1...2.5 mm² - cable stiffness: flexible - without cable end</td>
<td>Power circuit : cage type connector 1 cable 1...2.5 mm² - cable stiffness: solid - without cable end</td>
</tr>
<tr>
<td>Power circuit : cage type connector 2 cable 0.75...2.5 mm² - cable stiffness: flexible - with cable end</td>
<td>Power circuit : cage type connector 2 cable 0.75...2.5 mm² - cable stiffness: solid - with cable end</td>
</tr>
<tr>
<td>Power circuit : cage type connector 2 cable 1...2.5 mm² - cable stiffness: flexible - without cable end</td>
<td>Power circuit : cage type connector 2 cable 1...2.5 mm² - cable stiffness: solid - without cable end</td>
</tr>
</tbody>
</table>

### Environment

<table>
<thead>
<tr>
<th>Standards</th>
<th>IEC 60034-11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product certifications</td>
<td>LROS (Lloyds register of shipping)</td>
</tr>
<tr>
<td>IP degree of protection</td>
<td>IP20 conforming to VDE 0106</td>
</tr>
<tr>
<td></td>
<td>IP20 conforming to IEC 60529</td>
</tr>
<tr>
<td>Ambient air temperature for operation</td>
<td>-25...60 °C</td>
</tr>
<tr>
<td>Ambient air temperature for storage</td>
<td>-40...85 °C conforming to IEC 60068-2-1</td>
</tr>
<tr>
<td></td>
<td>-40...85 °C conforming to IEC 60068-2-2</td>
</tr>
<tr>
<td>Operating altitude</td>
<td>&lt;= 1500 m without derating in temperature</td>
</tr>
<tr>
<td></td>
<td>&gt; 1500...3000 m with derating in temperature</td>
</tr>
<tr>
<td>Vibration resistance</td>
<td>1 gn 25...150 Hz conforming to IEC 60068-2-6</td>
</tr>
<tr>
<td></td>
<td>2.5 gn 2...25 Hz conforming to IEC 60068-2-6</td>
</tr>
<tr>
<td>Shock resistance</td>
<td>5 gn 11 ms conforming to IEC 60068-2-27</td>
</tr>
<tr>
<td>Electromagnetic compatibility</td>
<td>Immunity to microbreaks and voltage drops conforming to IEC 61000-4-11</td>
</tr>
<tr>
<td></td>
<td>Resistance to electrostatic discharge - test level level 3 conforming to IEC 61000-4-2</td>
</tr>
<tr>
<td></td>
<td>Resistance to fast transient - test level level 3 conforming to IEC 61000-4-4</td>
</tr>
<tr>
<td></td>
<td>Surge resistance 1.2/50-8/20 - test level level 4 conforming to IEC 61000-4-5</td>
</tr>
<tr>
<td></td>
<td>Susceptibility to electromagnetic fields - test level level 3 conforming to IEC 61000-4-3</td>
</tr>
</tbody>
</table>

### Offer Sustainability

<table>
<thead>
<tr>
<th>Sustainable offer status</th>
<th>Green Premium product</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS (date code: YYWW)</td>
<td>Compliant</td>
</tr>
<tr>
<td>Schneider Electric declaration of conformity</td>
<td></td>
</tr>
</tbody>
</table>

### REACh

<table>
<thead>
<tr>
<th>Reference not containing SVHC above the threshold</th>
<th>Reference not containing SVHC above the threshold</th>
</tr>
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</table>

### Product environmental profile

<table>
<thead>
<tr>
<th>Available</th>
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### Product end of life instructions

<table>
<thead>
<tr>
<th>Available</th>
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### Contractual warranty

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