Technical Information

Model TES.05.02

POWER & ENERGY Sector
Temperature sensor for stator caves

<table>
<thead>
<tr>
<th>Description</th>
<th>Temperature sensor with intervention threshold element for temperature measurement in stator caves.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Type</td>
<td>Intervention threshold element</td>
</tr>
<tr>
<td>Sensor Number</td>
<td>3</td>
</tr>
<tr>
<td>Precision</td>
<td>+/- 1%</td>
</tr>
<tr>
<td>Threshold Temperature</td>
<td>+155 °C</td>
</tr>
<tr>
<td>* on request other threshold</td>
<td></td>
</tr>
<tr>
<td>Short Time Temperature</td>
<td>NA</td>
</tr>
</tbody>
</table>
| Cable       | Diameter: 3,0 mm  
Lenght: 2,00 mt  
* on request other length |  
CONDUCTORS  
number: 3  
electrical section: 0,35 mm²  
type: strand  
material: nickel plated copper  
insulation: MFA teflon  
COLOURING  
standard: DIN  
conductors: red / red / white  
* on request other colouring |  
Electrical Connection | NA                                                                                               |
| Laser Marking | Thermo Engineering Logo  
Thermo Engineering P/N  
Customer P/N  
dd/mm/yy production  
* on request other marking |  
Tests | Visual  
Dimensional  
Room temperature insulation resistance  
Etectrical Continuity  
* on request other test |  
IP Grade |
<table>
<thead>
<tr>
<th>Room Temperature Insulation Resistance</th>
<th>According to IEC 1515 resistance &gt; 1GΩ @ 25 °C; between the terminals and the sheath with a test voltage of 500 VDC.</th>
</tr>
</thead>
</table>
| Respons Time                          | t<sub>50</sub>: 4 sec  
   t<sub>90</sub>: 10 sec |
| Certifications                        | Conformity Certificate  
   Conformity Certificate RoHS 2002/95/CE |