RESISTANCE THERMOMETER INSERTS
for Thermo Electric Ex d approved sensors

Specifications:

Series: RTD-70.000
Probe type: sheathed construction
Temperature range: -50 °C to +300 °C
Element type: Pt 100, single or duplex
Resistance values and tolerances: IEC 751, class A
Nominal resistance: 100 Ohm ± 0.1 at 0 °C
Nominal temperature coefficient: 0.00385
Recommended max. current: 10 mA
Min. insulation resistance: 10 Mohm at ambient temperature with 200 V DC
Wiring system: 2-, 3- or 4-wires
Inner lead resistance: negligible
Termination: ceramic DIN terminal block with clamp type terminals; fitted by means of two M4 screws on 33 mm centres
Max. springloading: 10 mm
Sheath material: SS 316 (Wst.nr. 1.4401)
Probe diameter: 6 mm
Probe length ‘A’: to be specified; add 145 mm to ‘U’ length of series ITS-20.000 industrial temperature sensors

These inserts fit standard head assemblies series TSA-20.000 and standard industrial temperature sensors series ITS-20.000
Other ranges and/or classes for Pt100’s are available on request.

Ordering code:

<table>
<thead>
<tr>
<th>Wire system</th>
<th>Single</th>
<th>Duplex</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-wire</td>
<td>RTD-73602- Pt100 -□ mm</td>
<td>RTD-74604- Pt100 -□ mm</td>
</tr>
<tr>
<td>3-wire</td>
<td>RTD-73603- Pt100 -□ mm</td>
<td>RTD-74606- Pt100 -□ mm</td>
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<tr>
<td>4-wire</td>
<td>RTD-73604- Pt100 -□ mm</td>
<td>RTD-74608- Pt100 -□ mm</td>
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</tbody>
</table>

□ = probe length ‘A’ in mm (to be specified)