



Revision 8/2016  
 Item number 995662522122400  
 LT-24-2PT100-B2  
 Net weight 360.2 g/Unit

PR-SPA-NA-LTH

<b>Description</b>		
Type:	PR-SPA-NA-LTH	
Designation:	Screw-in resistance thermometer	
variant:	LT-24	
Description:	connection head EM24	
<b>Sensor data</b>		
Number of sensors:	2	Piece
Sensor Material:	Pt	
Resistance value:	100	Ω
Mode of connection:	2 wire circuit	
Tolerance:	class B ±0.3°C at 0°C acc. DIN EN 60751	
<b>Electrical values</b>		
Recommended measuring current:	0.3 to 1.0	mA
Insulation resistance:	≥ 200 MΩ / 500 VDC	
<b>Temperature</b>		
Measuring range min.:	-40	°C
Measuring range max.:	+150	°C
<b>Connection head</b>		
Material:	brass	
Description:	connection head EM24	
Height:	36	mm
Connection mode:	clamp socket	
Sealed:	no	
Lid:	yes	
Cable connection port:	OPEL-SVD	
<b>Protection pipe</b>		
Material:	stainless steel	
Nominal length:	20	mm
Total length:	50	mm
Outer diameter:	6	mm
<b>Fitting</b>		
Mounting:	moveable	
Material:	stainless steel	
Thread:	M10	
Thread pitch:	1	
Width across flat:	AF 14	
Cutting ring:	stainless steel	
Diameter (Cutting ring):	6.1	mm
<b>Supply line</b>		
Supply line fix connected:	yes	
Version:	hose line	
Number of lines:	1	Piece
Number of conductor(s):	4	Piece
Material:	Cu	
Refinement:	tinned	
Insulation:	Si	
Outer sheath:	Si	
Cross section:	0.5	mm <sup>2</sup>
Outer diameter:	6.6	mm
Color sequence of conductor:	RD/WH/BK/YE	
Color code of outer sheath:	RDBN	
Length:	3500	mm
Wire end:	wire end sleeve	
Stripped length:	35	mm
Kink protection description:	SCGS	
Kink protection length:	45	mm
<b>Screen</b>		
Shield available:	no	
	PR-SPA-NA-LTH	
<b>Note</b>		
Life expectancy (MTTF):	601 (200 °C)	years
When mounting one has to pay attention, that no damage will occur to the supply line and the insulation of the sensor. The supply line must be installed strain-relieved. Mechanical stress to the sensor should be avoided. For variances of screw-in resistance thermometer with cable connected by customer, it should be ensured that the cable is		



suitable for operating conditions listed in the related documents.  
The IP protection class must be guaranteed after proper installation  
of the cable and/or protective hose by the user.

**Special specification**

Special specification SN70133-2Pt100/B-20x6-M10x1-2/3.5-N-O  
connection head: brass-bare