

# Temperature Sensors



## Compact model with analog output

Series TGBA

Analog output

Up to 400 °C

Temperature range according to customer specification

As well available with resistance output



Design	G1/2											
Dimensions												
Supply voltage [V]	12...30 DC											
ID-No.	P.....											
Type-sensor length L [mm]	TGBA 050 GI-Lxxx											
Temperature range medium [°C]	min. -50...+375 max. -25...+400 Δ between min. and max. has to be minimum 25 °C											
Ambient temperature [°C]	-25...+70											
Output [mA]	4...20											
Turn on delay [s]	approx. 4 (output < 4 mA)											
Protection [EN 60529]	housing: IP 67 / sensor tip: IP 68 / IP 69K											
Housing material	Aluminium, form B terminal head											
Material sensor probe	AISI 316 Ti											
Sealing material	NBR, AFM 34, different material on request											
Compressive strength [bar]	40 (25 °C)											
Diameter connecting cable	Ø 7 mm up to Ø 12 mm											
Connection	terminal screws, max. 1 mm <sup>2</sup>											
		<p><b>Sensor length</b></p> <p>The total length L of the sensor is specified by appending "Lxxx" to the type.</p> <p>xxx: Length in mm</p> <table border="1"> <thead> <tr> <th>Preferred lengths</th> <th>ID-No.</th> </tr> </thead> <tbody> <tr> <td>50 mm: L050</td> <td>P71028</td> </tr> <tr> <td>100 mm: L100</td> <td>P71029</td> </tr> <tr> <td>200 mm: L200</td> <td>P71030</td> </tr> <tr> <td>400 mm: L400</td> <td>P71031</td> </tr> </tbody> </table>	Preferred lengths	ID-No.	50 mm: L050	P71028	100 mm: L100	P71029	200 mm: L200	P71030	400 mm: L400	P71031
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