

Data sheet



Product group 74-WTH

Resistance thermometer with machine connector



Product group 74-WTH Resistance thermometer with machine connector

Temperature sensors in this series are mainly compact, small-sized designs for measuring the temperature of gases, liquids and solids.

Advantages of temperature sensors with machine plug-in connector

- High resistance to vibrations
- Quick connection between sensor and wires
- Stainless steel constructions

The most common areas of application are machines and process lines where vibration and oscillation are present.

The M12 electrical connector guarantees a high degree of protection (IP65 / IP67) against both solids and liquids. The temperature sensors with angle plug are designed with a connector according to EN 175301-803 Form A.

The two electrical connections used enable the sensor to be quickly connected with the signal wires and reduce the integration time into the measuring system.

Standard measuring inserts are made with Pt100 sensors, in accuracy class A or B according to EN 60751. Depending on requirements, other sensors such as Pt1000 or NTC (also in double version) can also be used.

Versions with a built-in temperature transmitter enable signal transmission over the longest distance while maintaining high measurement accuracy.



Applications of resistance thermometers with machine plug connection



Liquids



Food industry



Machines and devices



Pipelines



Tanks and vessels



Technological processes



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Example of a common design in this product group:



2								
_	Process connection							
	Without							
	Thread G 1/2 A							
	Thread G 1/4 A							
	Thread G 3/8 A							
	Thread M18 x 1.5							
	Thread M20 x 1.5							
	Small flange DN 25 KF							
	Other as required							

3					
	Measuring insert				
	Pt100 class A				
	Pt100 class B				
	Pt100 class B 1/3				
	Pt100 class B 1/5				
	Pt1000 class A				
	Pt1000 class B				
	Nickel (Ni 100,)				
	NTC/PTC				
	Circuit:				
	1x 2-wire				
	1x 3-wire				
	1x 4-wire				
	2x 2-wire				





Special solutions such as materials not listed here, process connections, accessories, etc. can often be realised on request.

Please contact us!



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Article number key

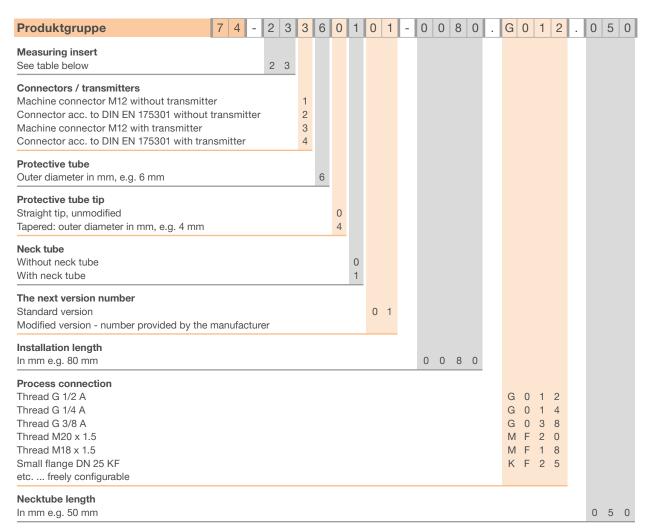


Table - Measuring insert (type, circuit)

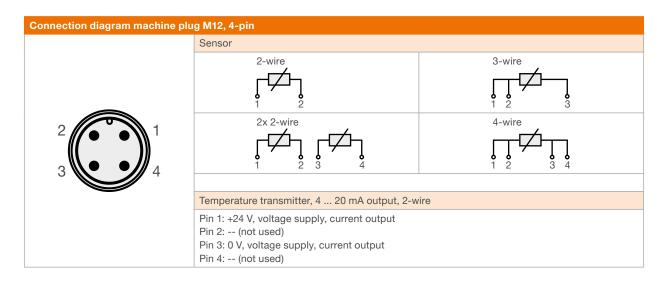
	Sensor										
Circuit	Pt100 Class B	Pt100 Class A	Pt100 Class B 1/3	Pt100 Class B 1/5	Pt1000 Class B	Pt1000 Class A	Platin Others	Nickel (Ni100,)	NTC / PTC	Others	
1x 2-wire	11	12	13	14	16	17	18	19	20	21	
1x 3-wire	22	23	24	25	27	28	29	30	31	32	
1x 4-wire	33	34	35	36	38	39	40	41	42	43	
2x 2-wire	44	45	46	47	49	50	51	52	53	54	
2x 3-wire	55	56	57	58	60	61	62	63	64	65	
2x 4-wire	66	67	68	69	71	72	73	74	75	76	
3x 2-wire	77	78	79	80	82	83	84	85	86	87	

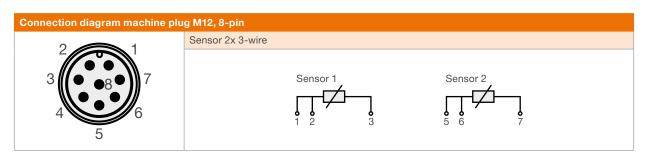


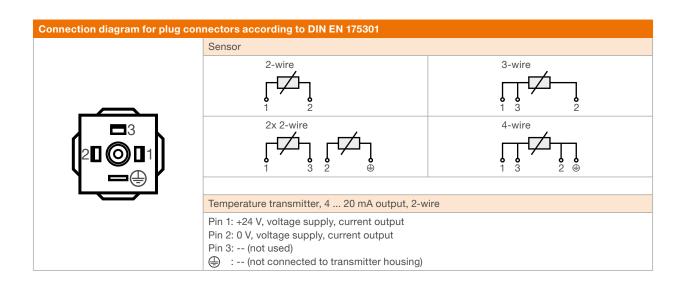
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Connection diagrams plug connectors









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