



Sheath resistance thermometer Type 811

Industrial sheath resistance thermometer according to DIN IEC 751



- Particularly vibration-proof, high flexibility, short response time
- Temperature range: -50 ... +600 °C
- Material: stainless steel (1.4571) or Incocel 600 (2.4816)

D-EN-Type81153-20200213



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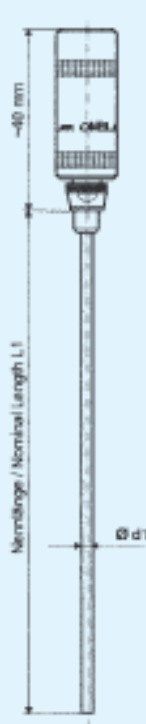
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Design:

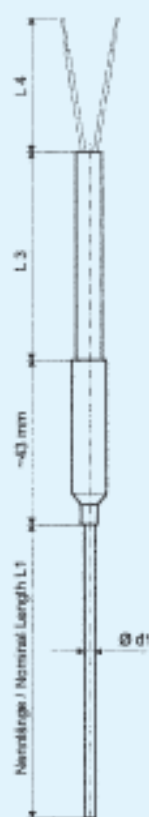
Typ MWT-LD



Typ MWT-LS



Typ MWT-FL



Features

- Particularly vibration-proof, high flexibility, short response time
- Temperature range: -50 ... +400 °C or -50... +600 °C
- Material: stainless steel (1.4571) or Incoel 600 (2.4816)
- Accuracy: Class A or B according to DIN IEC 751

Design

Ordering code	D
Type MWT-FD	1
Type MWT-LS	2
Type MWT-FL	3

Electrical connection

Ordering code	F	G
2-wire circuit	0	1
3-wire circuit	0	2
4-wire circuit (only 1 x Pt)	0	3

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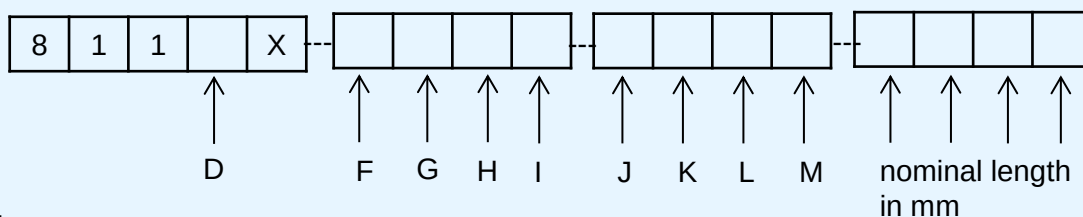
Measurement resistance		
Ordering code	H	I
1 x Pt100 Cl. B	0	1
1 x Pt100 Cl. A	1	1
2 x Pt100 Cl. B	0	2
2 x Pt100 Cl. A	1	2

Sheath diameter d1		
Ordering code:	J	K
3 mm	0	1
6 mm	0	3

Sheath material		
Ordering code:	L	M
Stainless steel 1.4571	0	3
Inconel	1	0

Response time			
	Ø 2 mm	Ø 3 mm	Ø 6 mm
T 50% in water	1 s	1,5 s	6 s
T 90% in water	3 s	6 s	15 s
T 50% in air	10 s	26 s	55 s
T 90% in air	35 s	81 s	170 s

Bending radius of the sheathed cable		
Ø 2 mm	Ø 3 mm	Ø 6 mm
>6 mm	>9 mm	>18 mm



Ordering code:

To order, please fill in all empty spaces.

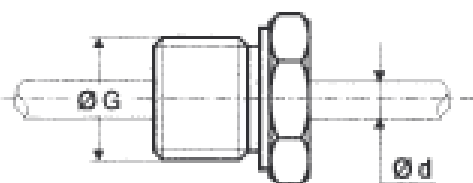
The relevant key figures for all vacancies can be found in the tables above.



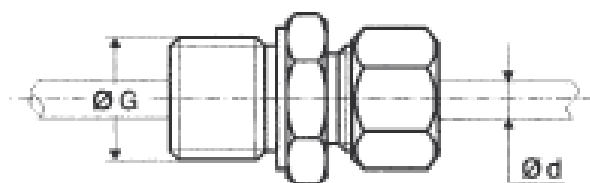
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Installation suggestions for sheath resistance thermometers



screw-in pin for soldering



displaceable clamping screw-connection

Important instructions!

Technical changes and errors reserved. Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.