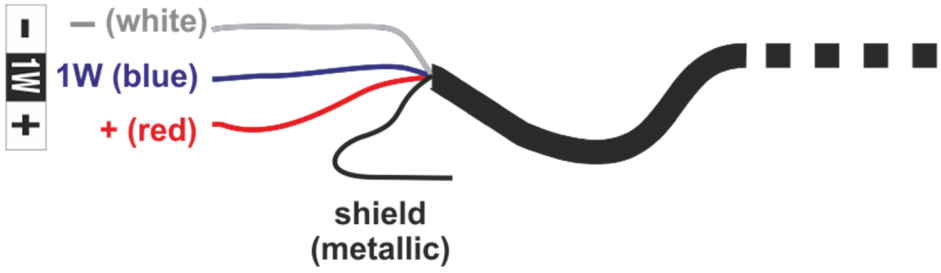
1-WIRE-T-F-3m

1-Wire (DALLAS) temperature sensor for measuring surface temperature of smooth surface pipes and pipelines

- designed for measuring surface temperature of solid materials with smooth surface
- can be used in any system compatible with the DS18B20 temperature sensor
- designed for chemically non-aggressive environment
- package includes metal band with clamp

CONNECTION SCHEME



TECHNICAL DATA

power voltage	3,5…5,5V DC
sensor type	DS18B20
sensor connection type	3-wire
temperature measurement range	-30°C/+125°C
temperature sensor tolerance	+/- 0,5°C in range of -10/+85°C
ingress protection	IP65
relative ambient humidity	10 - 100 %
response time	$\tau_{0,5}$ < 13 s (on smooth flat surface without paste)
metal case/protective case material	brass / polyamide
max. current consumption	1,5mA
protective case dimensions (h × w × d)	40 × 13 × 12mm
weight	0,05 kg /1m
insulation resistance	> 200 MΩ at 500V DC, 25° ± 3°C
input cable type	silicon, shielded, 3 x 0,15 mm^2
input cable length	3m
metal band material	stainless steel
metal band clamp material	galvanized steel
metal band length	40 cm
minimum pipe diameter	20 mm

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