



INSTRUCTIONS 1054 e

Section	
Effective	January 2021
Remplace	June 2014

Translation of the
original instructions

PT100 ATEX temperature probe



These MOUVEX Instructions provide assistance for installation but there are not, in any circumstances, intended to replace the specific Instructions of the relevant equipment suppliers. Those Instructions must be read before fitting the equipment.



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Your distributor :

THE EQUIPMENT SUPPLIED

1. PROFSI2-APT-AWP-2A digital thermostat 2 thresholds



2. COFFREX-BCL-05-5W junction box



3. SONDEX-1GD-I-A3-COSH- (200°C) sensor or SONDEX-1GD-I-A3-TUBL- (250°C) sensor



SUPPLIED EQUIPMENT CHARACTERISTICS

Supplied thermostat is pre-set at 120°C. It can be set to another temperature with software available on our supplier's website : www.apuissance3.com.

The sensor is supplied with a 3 m. cable.

System accuracy : ± 5°C

Components reliability :

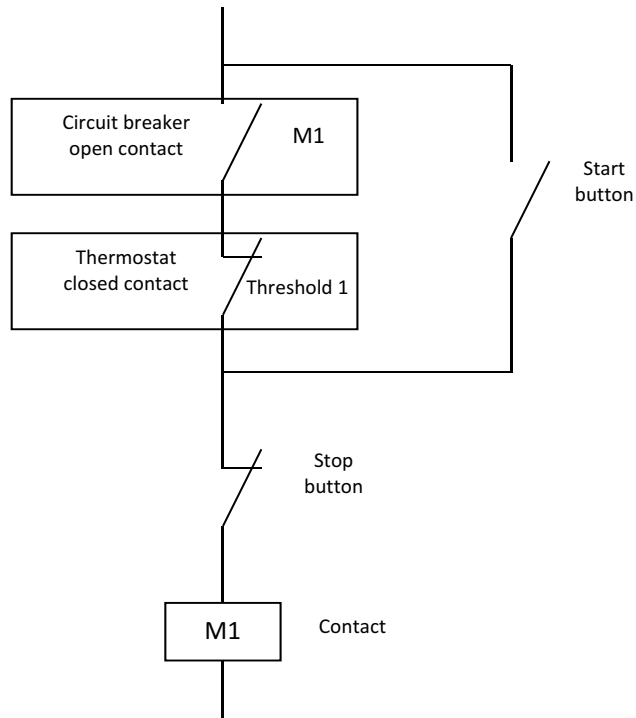
- PT100 0 - 200°C sensor.....MTBF : 90 years
- PT100 0 - 250°C sensor.....MTBF : 90 years
- Thermostat.....MTBF : 199 years

Cable (not supplied) between junction box and thermostat must have following characteristics :

- **Zone II B :**
 - 3 conductors 0,75 mm²
 - Max capacity.....16,20 µF
 - Max Inductance 1,28 H
- **Zone II C :**
 - 3 conductors 0,75 mm²
 - Max capacity.....2,41 µF
 - Max Inductance 0,32 H

User must make sure that complete system loop (including temperature sensor and installation stopping system) shows a reliability level complying with SIL1 (EN 61508 series...).

EXEMPLE OF INTEGRATION OF THE THERMOSTAT IN THE CONTROL CIRCUIT OF PUMP MOTOR CIRCUIT BREAKER



TEMPERATURE SENSOR WIRING

