

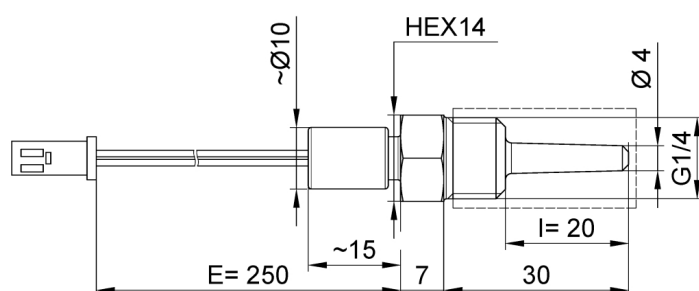
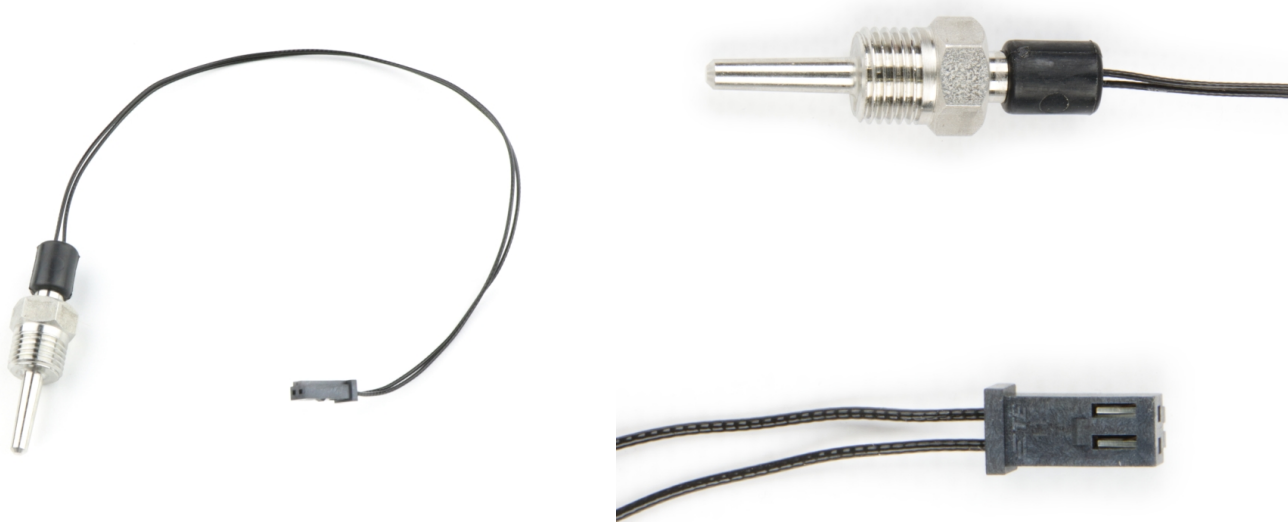
P084002A

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## NTC PROBE 3.3K COMPACT 1/4 G WITH INTEGRATED CABLE

### NTC probe 3.3K COMPACT with integrated cable

- sensing element NTC 3300 Ohm  $\pm 2,5\%$  @ 100°C  $\beta=(0/100)$  3970
- AISI 316L thermowell
- unipolar cables with polyester insulation (high temp)
- AMP MODU II connector



FOOD  
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ZONE

## TECHNICAL SPECIFICATION

|                                                                                                                                                                           |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Sensing element                                                                                                                                                           | NTC R(100°C)=3.3Kohm ±2.5%, beta(0/100)=3970  |
| Sensing Element configuration                                                                                                                                             | single 2-wire                                 |
| Output signal type                                                                                                                                                        | thermistor                                    |
| Sensing part maximum working temperature                                                                                                                                  | 150°C                                         |
| Insulation resistance                                                                                                                                                     | 100 M Ω@ 100 Vdc.                             |
| Sheet material                                                                                                                                                            | AISI 316L                                     |
| Thermowell rod shape                                                                                                                                                      | tapered conic                                 |
| Maximum thermowell stem diameter                                                                                                                                          | Ø 4,95 mm                                     |
| Minimum thermowell stem diameter                                                                                                                                          | Ø 4 mm                                        |
| Internal thermowell stem diameter                                                                                                                                         | Ø 3 mm                                        |
| Process Connection                                                                                                                                                        | threaded 1/4" CYL. GAS acc. UNI-ISO 228       |
| Immersion l                                                                                                                                                               | 20 mm                                         |
| Sheet material                                                                                                                                                            | AISI 316L                                     |
| Thermowell connection interface                                                                                                                                           | pre setted ring for moulding                  |
| Cable working temperature                                                                                                                                                 | -50 ÷175°C (500h @185°C)                      |
| Cable conductors                                                                                                                                                          | copper tinned                                 |
| Number of cable conductors                                                                                                                                                | unipolar                                      |
| Conductor dimension                                                                                                                                                       | AWG 24                                        |
| Conductor feature                                                                                                                                                         | strand (7 wire)                               |
| Primary insulation colour                                                                                                                                                 | black                                         |
| Primary insulation                                                                                                                                                        | PFA<br>TPC (Thermoplastic Copolyester )       |
| Cable size or external shape                                                                                                                                              | about Ø 1,05 mm                               |
| Transition sleeve type                                                                                                                                                    | MOULDED thermoplastic round sleeve            |
| Maximum transition temperature                                                                                                                                            | 150°C                                         |
| Cable extension E                                                                                                                                                         | 250 mm                                        |
| Connection body material                                                                                                                                                  | HIGH TEMPERATURE THERMOPLASTIC                |
| Process connection (*)<br>(*) Thread STANDARDS (CYL. GAS in accordance with UNI-ISO 228) (CON. GAS in accordance with UNI-ISO 7-1) (NPT in accordance with ANSI B 1.20.1) | 1/4" GAS CIL                                  |
| Pin carrier type                                                                                                                                                          | AMP MODU II Connector cod 280358 with 2 ways  |
| Seamed pin type                                                                                                                                                           | AMP modu II cod. 0-0280530-1 golden finishing |
| International protection marking (*)<br>(*) According to IEC 60529                                                                                                        | IP65/67                                       |