

|  |   |                         |                           |
|--|---|-------------------------|---------------------------|
| <p>TA3202<br/>Sanitary Temperature Sensors<br/>M12 socket<br/>Thread connection: G3/4<br/>Switching output<br/>3 digit display<br/>Sensing range<br/>-40...150°C/-40...302°F</p> |  <p>CE RoHS</p> |                         |                           |
| Applications   | Liquid and gas  |                         |                           |
| Electric design  | DC PNP/NPN  |                         |                           |
| Output   | OUT1  | PNP/NPN<br>Programmable | Hno= hysteresis / NO      |
|  |   |                         | Hnc= hysteresis / NC      |
|  |   |                         | Fno= window function / NO |
|  |   |                         | Fnc= window function / NC |
|  | OUT2  | PNP/NPN<br>Programmable | Hno= hysteresis / NO      |
|  |   |                         | Hnc= hysteresis / NC      |
|  |   |                         | Fno= window function / NO |
|  |   |                         | Fnc= window function / NC |
| dES= diagnosis output / NC   |   |                         |                           |
| Current consumption[mA]  | <50   |                         |                           |
| Analogue output  | 4...20mA (Rmax:5000 Ohm) / 0...10V (Rmin:1000 Ohm)  |                         |                           |
| Setting range  |   |                         |                           |
| Analogue start point ASP[°C/°F]  | -40...140 / -40...284   |                         |                           |
| Analogue end point AEP[°C/°F]  | -30...150 / -22...302   |                         |                           |
| Switching point SP[°C/°F]  | -39.5...150 / -39...302   |                         |                           |
| Reset point rP[°C/°F]  | -40...149.5 / -40...301   |                         |                           |
| In steps of  | 0.5/1   |                         |                           |
| Programming options  | Hysteresis range / Window function, NO / NC   |                         |                           |
|  | Min/Max, Factory reset, °C/°F   |                         |                           |
| Adjustment of switching point  | via pushbuttons   |                         |                           |
| Accuracy   |   |                         |                           |
| Switching accuracy[°C/°F]  | ±0.2/±0.36  |                         |                           |
| Analogue accuracy[°C/°F]   | ±(0.2/0.36+0.4% Measuring range)  |                         |                           |
| Resolution   |   |                         |                           |
| Switching output [°C/°F]   | 0.5/1   |                         |                           |
| Analogue output[°C/°F]   | 0.125/0.23  |                         |                           |
| Display[°C/°F]   | 0.5/1   |                         |                           |

|   |                      |
|---|----------------------|
| Ambient temperature [°C/°F]   | -40...100/-40...302  |
| Medium temperature [°C/°F]  | -25...80/-13...176   |
| Storage temperature[°C/°F]  | -40...100/-40...212  |
| Insulation resistance[MΩ]   | >100 (500V DC)       |
| Protection/Enclosure Rating   | IP69K                |
| Dimensions[mm]  |                      |
| ESD[KV]   | III                  |
| EFT[KV]   | III                  |
| Walkie talkie experiment[M]   | 1                    |
| Shock resistance[g]   | 50                   |
| Vibration resistance[g]   | 20                   |
| Housing material  | Stainless steel 304  |
| Probe material/Wetted Parts   | Stainless steel 316L |
| Function LED/output status  | Red LED              |
| Connection  | M12 socket           |
| Wiring  |                      |
| Programming of the output function:<br>Hno= hysteresis / NO<br>Hnc= hysteresis / NC<br>Fno= window function / NO<br>Fnc= window function / NC |                      |



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