




| | |
|---|---|
| <p>TA3201 Sanitary Temperature Sensors M12 socket Thread connection: G3/4 Switching output Analogue output 4...20mA,0...10V 3 digit display Sensing range -40...150°C/-40...302°F</p> |  <p>CE RoHS</p> |
| Applications | Liquid and gas |
| Electric design | DC PNP/NPN |
| Output | <p>NO  /NC </p> <p>Analogue output 4...20mA,0...10V</p> |
| Supply voltage [V] | 18...36 DC |
| Max. overload current [mA] | 300 |
| Short-circuit protection | Pulsed |
| Reverse polarity protection | yes |
| Overload protection | yes |
| Watchdog | yes |
| Voltage drop[V] | <2 |
| Current consumption[mA] | <50 |
| Analogue output | 4...20mA(Rmax:500Ohm);0...10V(Rmin:1000Ohm) |
| <p>Setting range</p> <p>Analogue start point ASP , ASP[°C/°F]</p> <p>Analogue end point , AEP[°C/°F]</p> <p>Switching pointSP[°C/°F]</p> <p>Reset point rP[°C/°F]</p> <p>In steps of[°C/°F]</p> | <p>-40...140 / -40...284</p> <p>-30...150 / -22...302</p> <p>-39.5...150 / -39...302</p> <p>-40...149.5 / -40...301</p> <p>0.5/1</p> |
| Programming options | <p>Hysteresis range / Window function, NO / NC</p> <p>Min/Max, Factory reset, °C/°F</p> |
| 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) |
| 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 ste304 |
| Probe material/Wetted Parts | Stainless stee316L |
| Function LED/output status | Red LED |
| Connection | M12 socket |
| Connection Programming of the output function: Hno= hysteresis / NO Hnc= hysteresis / NC Fno= window function / NO Fnc= window function / NC | |



ema electronics

Website: www.ema-electronic.com

E-mail: enquiry@ema-electronic.com