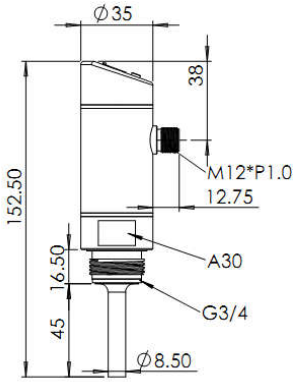
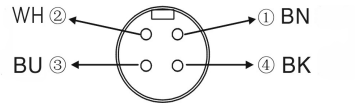
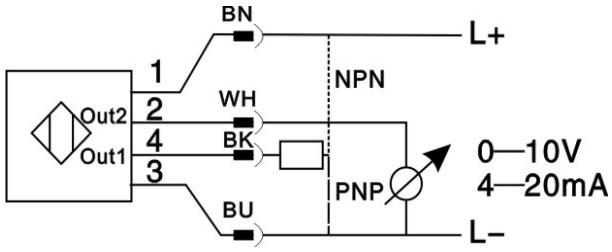
TA3201 Sanitary Temperature Sensors M12 socket Thread connection: G3/4 Switching output Analogue output 4…20mA,0…10V 3 digit display Sensing range -40…150℃/-40…302℉	 CE RoHS
Applications	Liquid and gas
Electric design	DC PNP/NPN
Output	NO /NC Analogue output 4…20mA,0…10V
Supply voltage [V]	18…36 DC
Max. 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)
Setting range Analogue start point ASP，ASP[℃/℉] Analogue end point ，AEP[℃/℉] Switching pointSP[℃/℉] Reset point rP[℃/℉] In steps of[℃/℉]	 -40…140 / -40…284 -30…150 / -22…302 -39.5…150 / -39…302 -40…149.5 / -40…301 0.5/1
Programming options	Hysteresis range / Window function, NO / NC Min/Max, Factory reset, ℃/℉
Adjustment of switching point	via pushbuttons
Accuracy Switching accuracy[℃/℉]	 ±0.2/±0.36
Analogue accuracty[℃/℉]	±(0.2/0.36+0.4% Measuring range)
Switching output [℃/℉]	0.5/1
Analogue output[℃/℉]	0.125/0.23
Display[℃/℉]	0.5/1
Ambient temperature [℃/℉]	-40…100/-40...302
Medium temperature [℃/℉]	-25…80/-13...176
Storage temperature[℃/℉]	-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	

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