Tehničke karakteristike

Features	SM231：2AI×RTD	SM231：4AI×RTD
Order No.	CTH2 231-7PB32	CTH2 231-7PC32
Physical Features		
Dimension（W×H×D）	71.3×96×62mm	71.3×96 ×62mm
LED indicator	24VDC Power supply indicator: ON = no fault, OFF = no power; SF indicator, ON=module fault, Blink=input signal error, OFF=normal;	
Power Consumption		
+5VDC power loss	87mA	87mA
L+	34mA	37mA
L+Coil voltage range	20.4～28.8VDC	
Power Consumption	1.7W	1.7W
Input features		
Input type	Module refer ground resistance	
Input number	2	4
Input range	Thermal resistance type (choose one)：Pt-100Ω，200Ω，500Ω，1000Ω（α=3850ppm，3920ppm，3850.55ppm，3916ppm，3902ppm） Pt-10000Ω（α=3850ppm） Cu-9.035Ω（α=4720ppm） Ni-100Ω，120Ω，1000Ω（α=6720ppm，6178ppm） R-150Ω，300Ω，600Ω	
Temperature measurement range	Pt-100Ω，200Ω，500Ω，1000Ω：-200℃～850℃ Pt-10000Ω：-200℃～600℃ NI-0.00672：-80℃～260℃ NI-0.006178：-60℃～300℃ Cu-0.004270：-200℃~260℃	
Isolation		
Field side to logical circuit	500VAC	
Field side to 24VDC	500VAC	
24VDC to logical circuit	500VAC	

Common mod input range (input channel to input channel)	0	
Common mode rejection	>120dB@120VAC	
Sample Features		
Temperature resolution	0.1℃/0.1°F	
Voltage resolution	15bit+sign bit	
Measuring principle	Σ-Δ	
Module update time (all channel)	425ms	825ms
Wire length to sensor	Max 100m	
Wire loop resistance	20Ω，copper line 2.7Ω	
Noise suppression	85dB@ 50Hz/60Hz/400Hz	
Data format		
Input impedance	>10MΩ	
Max.voltage input	30VDC，5VDC	
Input resolution	15bit+sign bit	
Input filter attenuation	-3dB@21kHz	
Error	0.1% FS（resistance）	
Repeatability	0.05% FS	
Analog input addressing	AIW addressing	

Dimenzije

Šema spajanja