SC-ISOSLICE-3

ISOLATED BUS I/O MODULE





4 off 3-wire RTD PT100 Inputs

- Communicates to Ethernet / RS232 or RS485 network via an SC-E-100 unit
- Input/Output/Power Supply Isolation
- Automatic Bus & Power Connection Via DIN Rail Bus Connector
- Multiple inputs in one module
- Very High Accuracy, Low Cost

Input Types for SC-ISOSLICE-3

3-Wire RTD PT100 x 4

0 to 100°C

-100 to +100°C

0 to 400°C and

0 to 800°C.

Min & Max Full Scale Ranges are:

Technical Specifications

PT100 3-	000.00	.050.00
Wire	-200 °C	+850 °C

The SC-ISOSLICE-3 isolated Bus I/O module combines full three-port isolation with access to an industrial bus. This bus connects to the E-100 modules which are then used to transmit the process values via either an Ethernet or a RS232/485 wired

Full 3-port isolation is standard but for channel to channel isolation please see the SC-ISOSLICE-1

communications network.

The input range can be user selected using simple DIL switches inside the unit and the unit is factory calibrated for four different input ranges. These are 0 to 100°C, -100 to +100°C, 0 to 400°C and 0 to 800°C.

Non-interactive zero and span controls make adjustment and calibration of the unit quick and simple.

The units have a wide ranging 12 to 36 Vdc. This supply can either be wired to the appropriate terminals or picked up automatically from the Bus connector.

For Output Modules see SC-ISOSLICE-6 or SC-ISOSLICE-8

Parameter	Min	Тур	Max	Comments
Supply Voltage	12V	24V	36Vdc	
Supply Current (mA)		45	90	For 24Vdc supply (260mA for 50ms on start-up)
Bus Connection				16-bit bus connection
Volt Drop (mA input)		0.3		At 20mA Input
Input Impedance (Volt)		1MΩ		Dependant on range (typ=10V)
Input Impedance (mA)		15Ω		Dependant on range (typ=20mA)
Output Linearity Error		$\pm 0.01\%$	±0.05%	
Temp Coefficient			±50ppm/°C	
Time Constant (10-90%	tput Linearity Error ±0.01% ±0.05% np Coefficient ±50ppm/°C ne Constant (10-90%) 200mS erating Ambient 0°C 55°C			
Operating Ambient	0°C		55°C	
Relative Humidity	0%		90%	
Isolation Voltage see note	1kV			
Surge Voltage	2.5kV	for 50µS	Transient o	of 10kV/µS

Notes Absolute maximum ratings indicate sustained limits beyond which damage to the device may occur. Device is protected against reverse polarity connection. Accuracy figures based on 24Vdc supply, 4-20mA output with 250 Ω load and an ambient 20°C.

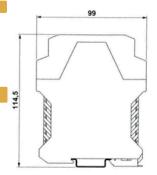
Installation Data				
Mounting	DIN Rail TS35			
Orientation	Any			
Connections Screw C	amp with pressure plate			
Conductor Size	0.5-4.0mm			
Insulation Stripping	12mm			
Weight	Approx 95g			
Ordering Information	,			

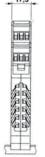
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Part No.: SC-ISOSLICE-3

ISO9001certified

SC-ISOSLICE-3 2017





Part Number	Universal Inputs	mA or V Inputs	RTD Inputs	T/C Inputs	Analogue Outputs	Digital Inputs	Digital Outputs
SC-ISOSLICE-1	2						
SC-ISOSLICE-2		8					
SC-ISOSLICE-3			4				
SC-ISOSLICE-4				4			
SC-ISOSLICE-5						8	
SC-ISOSLICE-6							4
SC-ISOSLICE-7						2 x freq in	
SC-ISOSLICE-8					4		
SC-ISOSLICE-9	4 x AC I/V						

