## SC-ISOSLICE-4

### ISOLATED BUS I/O MODULE -





The SC-ISOSLICE-4 isolated Bus I/O module combines full three-port isolation with access to an industrial bus. This bus connects to the SC-E-100 modules which are then used to transmit the process

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

values via either an Ethernet or a RS232/485 wired communications

The input range and thermocouple type can be user selected using simple DIL switches inside the unit and the unit is factory calibrated for eight different thermocouple types.

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.

## 4 off Thermocouple 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

#### **Outputs**

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

Thermocouple Inputs x 4 Thermocouple Types: J K N R S T B E

Ranges: Large number of input ranges, can be user calibrated.

**Cold Junction Compensation** Full thermocouple linearization Upscale or Downscale t/c burnout options

Input Types for SC-ISOSLICE-4

For Channel to Channel Isolation see Isoslice-1

В	400 °C	1800 °C
Е	0 ℃	1000 °C
J	0 ℃	1200 °C
K	0 ℃	1200 °C
N	0 ℃	1000 °C
R	0 ℃	1400 °C
S	0 °C	1400 °C
T	-200 °C	400 °C

<b>Technical Specificatio</b>	ns			
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 (Tc)		$1M\Omega$		
Output Linearity Error		$\pm 0.01\%$	±0.05%	
Temp Coefficient			±50ppm/°C	
Time Constant (10-90%	6)	200mS		
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 rating	s indicate sustained	Llimits 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 $\Omega$  load and an ambient 20°C.

#### **Installation Data**

network

Mounting DIN Rail TS35 Orientation Anv Connections Screw Clamp with pressure plate Conductor Size 0.5 - 4.0 mm**Insulation Stripping** Approx 95g

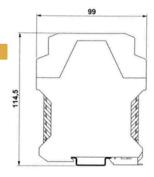
**Ordering Information** Part No.: SC-ISOSLICE-4

Weight

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#### ISO9001certified

SC-ISOSLICE-4 2017



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



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Sensata:

SC-ISOSLICE-4