

SC-ISOSLICE-5

ISOLATED BUS I/O MODULE



The SC-ISOSLICE-5 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 values via either an Ethernet or a RS232/485 wired communications network.

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

The digital input type can be switched using internal DIP switches for either volt free contact inputs or voltage level inputs.

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.

Features

- 8 off Digital 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

Inputs

Digital Inputs x 8

The type of digital input can be selected using internal DIP switches.

Typical inputs are volt free contacts or 0-24 Volt.

SPECIFICATIONS

Technical

Parameter	Min	Typ	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
Time Constant (10-90%)		200mS		
Operating Ambient	0°C		55°C	
Relative Humidity	0%		90%	
Isolation Voltage*	1kV			
Surge Voltage	2.5kV for 50µS		Transient 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 250Ω load and an ambient 20°C.

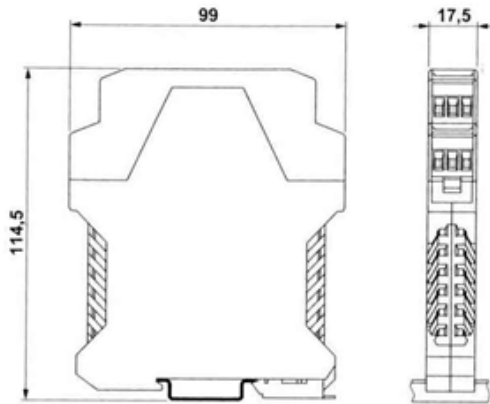
Installation Data

Mounting	DIN Rail TS35
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor Size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 95g



DIMENSIONS

All dimensions are in millimeters.



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						



Please supply

Part Number SC-ISOSLICE-5

Made in the UK

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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

CONTACT US

+44 (0)1202 897969
c3w_sales@sensata.com
Cynergy3 Components Ltd.
7 Cobham Road,
Ferndown Industrial Estate,
Wimborne, Dorset,
BH21 7PE, United Kingdom