SC-ISOSLICE-9

ISOLATED BUS I/O MODULE

- ***4 off AC Current 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***

The SC-ISOSLICE-9 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.
The SC-ISOSLICE-9 is designed to accept current inputs from Current Transformers with current outputs.
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.

Input Types for SC-ISOSLICE-9

AC Current
AC Current ranges
0-1Aac

Min & Max Full Scale Ranges are:

DC Current	0-100mA	0 – 1A
AC Current	0-100mA	0 - 1A

Outputs

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

Technical Specifications

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
Volt Drop		0.3		At 5A ac Input
Input Impedance (A)		0.2Ω		Dependant on range (typ=0-1A)
Temp Coefficient			±50ppm/ºC	
Time Constant (10-90%)		200mS		
Operating Ambient	0ºC		55ºC	
Relative Humidity	0%		90%	
Isolation Voltage see note	1kV			
Surge Voltage	2.5kV for 50µS		Transient of 10kV/µS	

Notes

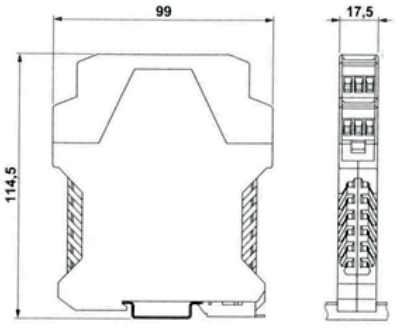
Absolute maximum ratings indicate sustained limits beyond which damage to the device may occur.
Device is protected against reverse polarity connection.
Accuracy figures based on 24Vdc supply, 4-20mA output with 250Ω load and an ambient 20ºC.

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

Ordering Information

Part No.: SC-ISOSLICE-9



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						

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ISO9001CERTIFIED

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Made in the UK

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