

SC-ISOSLICE-6

ISOLATED BUS I/O MODULE



- 4 off Digital Outputs
- 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
- LED Indication of Relay Status

Output Types for SC-ISOSLICE-6

Digital Outputs x 4

The action of each digital output can be selected using internal DIP switches between Normally energised and Normally de-energised.

The same applies to the LED indication where the LEDs can be set to be lit when the Relay is energised or de-energised.

The relays fitted are SPDT mechanical relays.

The SC-ISOSLICE-6 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 digital output action can be switched using internal DIP switches for either NO or NC operation. The LED indicators can be switched to be ON or OFF when the relays are energised. Each output is controlled via Modbus commands to the SC-E-100 or can be set as alarm levels for analogue input modules.

The unit is fitted with SPDT relays with all three connections being available for each relay.

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.

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
Relay rating		3A@240Vac		
Time Constant (10-90%)		200mS		
Operating Ambient	0°C		55°C	
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.

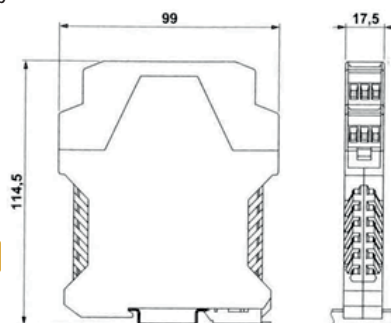
Accuracy figures based on 24Vdc supply, 4-20mA output with 250Ω load and an ambient 20°C.

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

Ordering Information

Part No.: SC-ISOSLICE-6



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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ISO9001 CERTIFIED

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