KineticSystems

SC15 - SC17
Serial Controller, Cable Interfaces

The SC15 is a serial controller for the V710. It is packaged in a 3U (5.25") high, 220 mm (8.7") deep, module. It controls and monitors the signal conditioning plug-in cards in the V710 termination panel chassis.

The SC16 is a connector adapter that contains two 50S high-density connectors, for use with the V200 200,000 sample/s Sigma-delta ADC.

The SC17 is a connector adapter that contains one 68S high-density connectors, for use with the V213 32-channel ADC.

SC15 controls and monitors the signal conditioning chassis

FEATURES

SC15 Serial Controller:
- RS-232 interface for control and monitoring modules in the V710 active termination panel
- Pass-through capability for multiple V710 chassis
- Logical address supports up to 256 SC15 controllers
- Supports serial data rates from 50 baud to 38,400 baud
- Includes a straightforward set of nine ASCII commands
- SC15-AB11 includes a calibrator and reference for the SC21 bridge signal conditioner

SC16 Cable Interface:
- Includes two 50-contact high-density connectors
- Pinout matches V200 channel input paths

SC17 Cable Interface:
- Includes one 68-contact high-density connector
- Pinout matches V213 Channel input paths

GENERAL DESCRIPTION

The SC15 is a serial controller for the V710. It is packaged in a 3U (5.25") high, 220 mm (8.7") deep, module. It controls and monitors the signal conditioning plug-in cards in the V710 termination panel chassis. A standard RS-232 serial port is connected to the Port A connector on the SC15. If a system contains multiple V710 panels, Port B on the first SC15 is connected to Port A on the second SC15. This is repeated for all remaining SC15s. Each SC15 can be set to one of 256 logical addresses and serial data rates from 50 to 38,400 baud. The address and the baud rate are set by switches on each SC15. The command set includes nine ASCII commands. These commands include a global reset and eight additional commands that are addressed to individual signal conditioning modules. The signal conditioning modules can be set to provide ASCII asynchronous event notification messages (such as a SC20 indicating that an excitation alarm is present, for example). Port A and Port B utilize DE9P connectors.

The SC16 is a connector adapter that contains two 50S high-density connectors, for use with the V200 200,000 sample/s Sigma-delta ADC. The pinout on these connectors matches that on the V200. The SC17 is a connector adapter that contains one 68S high-density connectors, for use with the V213 32-channel ADC. The pinout on this connector matches that on the V213. The SC16 or the SC17 card is affixed on the rear of the V710, depending upon the host ADC to be used with the signal conditioning modules.

RELATED PRODUCTS

Model 5930-Z1A   Connector - DE9S - 9 Contact, Sockets
                  (1 or 2 per SC15)

Model 5911-Z1A   Connector - 2-contact plug-type LEMO
                  (for the SC17-AA21)

ORDERING INFORMATION

MODEL	DESCRIPTION
SC15-AA11	Serial Controller
SC15-AB11	Serial Controller with Calibrator and Internal Reference
SC16-AA11	Connector Adapter, Two 50S High Density Connectors (SC20/V200)
SC17-AA11	Connector Adapter, One 68S High Density Connector (SC20/V213)
SC17-AA22	Connector Adapter, One 68S High Density Connector with Calibration Connector (SC21/V213)

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