



STORK SLIMCON-6

Model: SSC6

Signal Converter



Description:

The SLIMCON family of Isolating Signal Converters can accept a range of inputs including 4-20mA and voltage signals. The unit produces a high level DC output of either voltage or current.

Full 3 port isolation is standard on the product range.

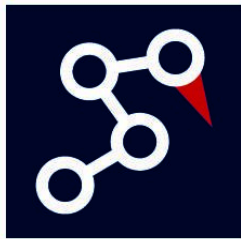
The SLIMCON-6 can be factory configured to accept a current or voltage input and provides a current or voltage output.

The input and output of the unit can also be reconfigured using the built in switches together with the zero and span adjustment potentiometers.

The unit is powered from 24Vdc nominal.

Product Highlights:

- Wide range of inputs available
- Full 3-port isolation
- Zero & span pots for output
- Fast time response
- High accuracy

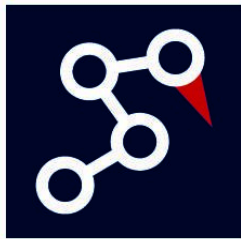


Specification:

Stork Slimcon-6				
Parameter	Min	Typ	Max	Comments
Supply Voltage	18V	24V	30V	22Vdc required to drive 500 ohms
Supply Current (mA)		25	30	Based on 24 V dc supply into 500Ω
Input Impedance (Volt)		500kΩ		
Input Impedance (mA)		5Ω	10Ω	Dep't on range (Typ=20mA, max 0-10mA)
Volt drop (mA input)		0.1	0.15	At 20mA input
Output Linearity Error		±0.03%	±0.1%	
Temp Coefficient			±100ppm/°C	
Load Resistance Error			±5ppm/Ω	0 <RL < 500Ω
Time Constant (10-90%)		25mS	30mS	Faster response available on request
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. Accuracy figures based on 24Vdc supply, 4-20mA output with 250Ω load and 20°C ambient. Device is protected against reverse polarity connection. External 100mA fuse required SLIMCON does NOT provide safety isolation when the input is connected to the mains.

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. 60g



STORK SOLUTIONS

Ordering Information	
Please Supply:	
Part Number	SSC6
Input Type	e.g. mA, Volt
Input Range	e.g. 4-20, 0-10
Output Type	e.g. mA, Volt
Output Range	e.g. 4-20mA, 0-10V
Power Supply	e.g. 24Vdc
Isolation	Full 3-Port