Product. Name: 08 Channel Analog Input Module

Rev.: 00

Product. Code: S73008C00CV02G04IND07E6

The Analog Input Module Is A Crucial Component Designed To Facilitate The Integration Of Analog Signals Into The Plc System It Receives Analog Signals From A Diverse Array Of External Devices Including Sensors Transmitters Gauges Variable Frequency Drives Vfds Thermocouples And Transducers Extra Through These Inputs We Are Able To Optimally Control And Monitor The Vital Processes Within The Plant Environment This Product Is A 08 Channel Analog Input Module Designed With Galvanic Isolation Across Two Distinct Groups Each Comprising Four Channels.

General Information

No. of Analog Input	08 Channels
Type Of Analog Input	08 Channels 0-20mA
Hardware Functional Status	From Jul22
Firmware Version	1.00.001
Firmware Update Possible	Yes
Engineering Software	Codesys V3 5 Sp 19 And Above
Mounting	Base Unit Tbus PPPPPPPP

Isolation

Galvanic Isolation	Yes
Galvanic Isolation Group	02
Channel In Group	04

Power Supply

Power Supply From	Top Side De Coded Plug In Screw Terminal
Normal Supply Voltage	24 Vdc
Low Supply Voltage	18.5 Vdc
High Sypply Voltage	28.5
Reverse Polarity Protection	Yes
Input Current	0.4 AMP
Input Current Per Channel Permissible	21.5 mA
Transmitter Power	Yes
Power Loss	0.245 W

Range

Input Range	0-20 mA
Input Range	4-20 mA
Mesasurning Range	Scalable
Input Resistance	120 Ω

Configuration In Running

Perameterization In Run	Yes
Calibration In Run	Yes

Hardware Configuration

Automatic Encoding	No
Mechanical Coding Element	Yes

Conversion Principle

Analog Input Measuring Principal	Sigma Delta Integrating

Integeration And Conversion Time Per Channel

Resolution With Over Range Max	12 Bit
Conversion Time Per Chennal	100 Ms

Error

Linearity Error	0.1% (Input Range)
Operational Error	0.5%(Input Range)
Basic Error	0.3%(Input Range)

Interference Voltage Seperation

Series Mode Interference	Min 70dB
Common Mode Voltage	Max 10 V
Common Mode Interference	90 db

Input Current

For "1" Signal	YES
For "1" Signal	YES

Diagnostic

Function Of Diagnostic	Available

Diagnostic Messages

Wire-Break	Yes(4-20mA)
Short Circuit	Yes
Channel Diagnostic	Yes

LED

Power Of Indication	Yes
Channel Status	No
Channel Diagnostics(Wire Break Joint)	No
Module Diagnostics (Back Plan Comm)	Yes

Potential Seperation

Seperation Between Channel	Yes (Group Isolation)
Seperation Between Backplane	Yes
Seperation Between Channel And System Power Supply	Yes
Insulation Tested With	500 VDC

Ambient Condition

Horizontal Installation	Min 0 Degree Celcius
Horizontal Installation	Max 60 Degree Celcius
Vertical Installation	Min 0 Degree Celcius
Vertical Installation	Max 60 Degree Celcius

Connection

Field Connection	37 Pin D_Sub Connector
Power Connection	5 Pin Pheonix Plug In Connector (D-Coded)

Other Information

Cable Length Max.	500 MTR. Max Of SQMM Cable, Shielded
Address Space Per Module	32 Bytes
Dimention (W x H x D)	25 x 122 x 115
Weight	160g Approx