

Digital Inputs Are Integral To A Diverse Range Of Industrial Applications, Establishing Them As Crucial Components Of Advanced Automation Systems. Digital Input Modules Are Deployed In Plcs To Effectively Manage Various Field Components. These Digital Inputs Are Acquired From Field Sensors, Switches, Mcces, And Other Devices, Ensuring Accurate And Timely Data Acquisition. Our Digital Input Modules Feature 32 Channels, Galvanically Isolated Into 4 Distinct Groups Of 8 Channels Each, Providing Optimal Performance And Reliability For Industrial Automation Applications.



General Information

| | |
|----------------------------|--------------------------------|
| No. Of Digital Input | 32 Channel |
| 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 P P P P P P P P |

Isolation

| | |
|--------------------------|-----|
| Galvanic Isolation | Yes |
| Galvanic Isolation Group | 04 |
| Channel In Group | 8 |

Mode Of Operation

| | |
|----------------|-----|
| Digital Inputs | Yes |
| Counter | No |

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 |
| Maximum Current | 100 MA |
| Power Loss | 0.75 W |

Hardware Configuration

| | |
|---------------------------|-----|
| Automatic Encoding | No |
| Mechanical Coding Element | Yes |

Digital Inputs

| | |
|--|------|
| Number Of digital Inputs | 32 |
| Digital Input Permeterizable | Yes |
| Source/Sink Input | Sink |
| Input Characteristics Curve As Per IEC-61131 | Yes |

Input Voltage

| | |
|---------------|------------------|
| Rated Voltage | 24 Vdc |
| For 0 Signal | Upto 5 Vdc |
| For 1 Signal | 15 Vdc To 28 Vdc |

Input Current

| | |
|----------------|-----|
| For "1" Signal | 2mA |
|----------------|-----|

Delay In Input For Rated Voltage

| | |
|-----------------|-----------|
| Perameterizable | Yes |
| From 0 To 1 | Max 0.5ms |
| From 1 To 0 | Max 15ms |

Diagnostic

| | |
|------------------------|-----------|
| Function Of Diagnostic | Yes |
| Diagnostic Alarm | Available |

Diagnostic Messages

| | |
|--------------------------|-----|
| Diagnostic Info Readable | Yes |
| Perameterizable | Yes |
| Wire Break | Yes |
| Short Circuit | No |
| Group Error | Yes |

LED

| | |
|---------------------|-----|
| Power Of Indication | Yes |
| Channel Status | Yes |
| Channel Diagnostics | No |
| Module Diagnostics | Yes |

Potential Seperation

| | |
|--|---------|
| Seperation Between Channel | Yes |
| 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. | 1000 MTR. |
| Address Space Per Module | 32 Bytes |
| Dimention (W x H x D) | 25 x 122 x 115 |
| Weight | 140g Approx |
