

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 Pl Cs 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 16 Channels Galvanically Isolated Into 2 Distinct Groups Of 8 Channels Each Providing Optimal Performance And Reliability For Industrial Automation Applications



General Information

No. Of Digital Input	16 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	02
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 Input

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

Input Voltage

Rated Voltage	24 Vdc
For "0" Signal	Upto 5Vdc
For "1" Signal	15 Vdc to 28 Vdc

Input Current

For "1" Signal	2mA
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Delay In Input For Rated Voltage

Parameterizable	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
Parameterizable	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 Separation

Separation Between Channel	Yes
Separation Between Backplane	Yes
Separation 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