

The Digital Output Module Is An Essential Component Of Any Plc System, Transforming Digital Input Signals Into Crucial Digital Output Signals. These Outputs Are Integral For Controlling Actuators, Motors, Lights, Alarms, And Other Devices That Require External Control, All Guided By Sophisticated Logic Sequences Stored In The Plc's Memory. By Choosing The Right Digital Output Module, You Ensure Not Only Maximum Performance And Accuracy But Also Unmatched Stability And Safety Throughout Your Industrial Automation Projects. Our Digital Output Modules, Featuring 32 Channels Galvanically Isolated Into 2 Distinct Groups Of 16 Channels Each, Provide Unparalleled Reliability And Efficiency, Making Them The Ideal Choice For Your Automation Needs.



General Information

No. of Digital Output	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	02
Channel In Group	16

Mode Of Operation

DO	Yes
DO With Energy Saving Function	No
PWM	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 Output

No. Of Digital Input	32 Channel
Type Of Digital Output	Source Output
Current Sinking	No
Current Sourcing	Yes
Digital Input Parameterizable	Yes
Short Circuit Protection	Yes
Response Threadshold	1A
Open Circuit Detection	Yes
Limitation Of Inductive Shutdown Voltage	Type L+
Controlling A Digital Input	Yes
Switching Capacity To Resistive Load	0.5 A
Switching Capacity To Inductive Load	5 W

Load Resistance Range

Lower Limit	45 Ω
Upper Limit	12 k Ω

Output Current

For "1" Signal	0.5 AMP
For "1" Signal	0.1 mA

Delay In Output With Resistive Load

From 0 To 1	Max 50 μ s
From 1 To 0	Max 100 μ s

Parallel Switching Of Two Outputs

Uprating	No
Redundant Control Of Load	Yes

Switching Frequency

Resistive Load	100 Hz
Inductive Load	2 Hz
Lamp Load	10 Hz

Total Current

Per Channel	0.5 A
Per Module	6 A

Module Current As Horizontal Installation

30 Degree Celcius	16 A
40 Degree Celcius	16 A
50 Degree Celcius	16 A
60 Degree Celcius	8 A

Module Current As Vertical Installation

30 Degree Celcius	16 A
40 Degree Celcius	16 A
50 Degree Celcius	8 A

Diagnostic

Function Of Diagnostic	Yes
Diagnostic Alarm	Available

Diagnostic Messages

Diagnostic Info Readable	Yes
Supply Voltage Monitoring	Yes
Wire-Break	Yes(4-20mA)
Short Circuit to 0V	Yes
Short Circuit to 24V	Yes
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	145g Approx