



## M9222

### Network adapter

PROFIBUS DP/V1 adapter

244 bytes input/ 244 bytes output

Up to 63 expansion slices

M7001 power module

18pt removable terminal block (RTB18C)

## Facts

### General description

Article number	100-8204
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), DNVGL-CG-0339 (Vibration Class B, 4G)
Industrial emissions	EN 61000-6-4/2019
Industrial immunity	EN 61000-6-2 : 2019
Installation position	Horizontal, Vertical
System power	UL System Power: Supply voltage : 24 VDC nominal, Class 2 System Power, Supply voltage : Class 2, 24 VDC nominal, Supply voltage range : 15~28.8 VDC, Protection : Output current limit / Reverse polarity protection
Power dissipation	80 mA typical @ 24 VDC
Current for IO module	2.0A @ 5 VDC (If except for NA, current for I/O module is about 1.7A)
Isolation	System power to internal logic : Non-isolation, System power I/O driver : Isolation
Field power	Supply voltage : 24 VDC typical (Max.28.8 VDC), * Field Power Range is different depending on IO Module series. Refer to IO Module's Specification.
Max current field power contact	DC 10A Max
Module size	54 x 110 x 75 mm

### Certifications

General	CE, FCC, UL, cUL
Hazardous	UL C1D2, ATEX (Zone2)
Safety	UL508, CAN/CSA C22.2 No.142-M1987

## Communication

Redundancy	No
Repeater control signal	RS485
Freeze mode	Yes
Auto baudrate	Yes
Station type	Slave
IO data size	244 bytes input/ 244 bytes output
Max length bus line	9600 bps = 1200 m, 1200 kbps = 100 m
Max network nodes	125 nodes
Baud rate	9.6 ~ 12000 kbps
Bus connection	9 Pin D-Sub Connector
Other serial port	RS232 for MODBUS RTU (Touch Panel or IOGuide)
Serial configuration	Node: 1 (Fixed), Baud Rate: 115200 (Fixed), Data bit: 8 (Fixed), Parity bit: No parity (Fixed), Stop bit: 1 (Fixed)
Indicator	4 LEDs: 1 Green/Red, Module Status (MOD), 1 Green, Receive Data (NET), 1 Green, Transmit Data (DIA), 1 Green/Red, Expansion I/O Module Status (IOS)
Module location	Starter module left side
Field power detection	~14 VDC

## Environmental

Mounting	35mm DIN rail
Operating temperature	-25 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-25 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

## Power module specifications

Contact voltage	DC 10A Max
Field power voltage	24VDC
Indicator	M7001: 4 LEDs: 1 Green, M-Bus Status (RUN), 1 Green, Primary Status(PRI), 1 Green, Active Status (ACT), 1 Green, Field Power Enable (Field Power)
Input voltage range	15 VDC to 28.8 VDC
Power input voltage	24VDC

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