



ML9089

Network adapter

ETHERNET adapter
 2 x Ethernet 10/100Mbps
 256 bytes in / 256 bytes out
 MODBUS TCP/UDP, Ethernet IP, CC-Link IE Field Basic
 Up to 16 expansions slices (light version)
 5pt removable terminal block (CNT-8412)

Facts

General description

Article number	100-8290
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	60 mA typical @ 24 VDC
Current for IO module	1.0 A @ 5 VDC
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 8A Max
Weight	83 g
Module size	23 x 110 x 75 mm

Certifications

General	CE, FCC, UL, cUL, UKCA
Marine	DNV GL
Safety	UL508, CAN/CSA C22.2 No.142-M1987

Communication

Redundancy	No
Station type	Slave
IO data size	Max Input 256 bytes / Max Output 256 bytes
Max length bus line	100 m (Ethernet tech.)
Max network nodes	Limited by Ethernet Specification
Baud rate	100 Mbps, Auto-negotiation, Full duplex
Bus connection	2 x RJ45
Indicator	4 LEDs: 1 Green/Red, Module Status (MOD) 1 Green, Physical Connection (LINK) 1 Green, Exchange Data/Traffic Present (ACTIVE) 1 Green/Red, Expansion I/O Module Status (IOS)
Module location	Starter module left side

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 8 A Max
Field power voltage	24 VDC
Indicator	4 LEDs: 1 Green/Red, Module Status (MOD), 1 Green, Physical Connection (LINK), 1 Green, Exchange Data/Traffic Present (ACTIVE), 1 Green/Red, Expansion I/O Module Status (IOS)
Input voltage range	15 VDC to 28.8 VDC
Power input voltage	24 VDC

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