

DVS-005I00 Series

Unmanaged Industrial 5-Port FE Ethernet Switches



UL508



-10~60°C



EMC LEVEL 4



FANLESS

- ▶ Voltage Dips protection inside, great to use in unstable power sourcing systems
- ▶ 12 to 48 V_{DC} power input
- ▶ Compatible with various industrial protocols, including EtherNet/IP, Profinet, CC-LINK IE, and DNP 3.0



Specifications

TECHNOLOGY

Standard Compliance

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-T(X)
- IEEE 802.3x Flow Control

Processing Type

- Store and forward
- IEEE 802.3x flow control in full duplex, back-pressure flow control in half duplex

INTERFACE

Fast Ethernet

RJ45 Ports:

- 10/100Base-T(X), auto MDI/MDI-X, auto negotiation

LEDs

Per Device:

- PWR

Per Port:

- 100M, LINK/ACT

PERFORMANCE AND SCALABILITY

Switching Capacity

- 1Gbps, wire-speed, non-blocking switching fabric

Forwarding Rate

- 1.5Mpps

MAC Address Table

- 1K

Packet Buffer Memory

- 512K bits

POWER REQUIREMENTS

Input Voltage

- 1 set, 12 to 48 V_{DC} terminal block input

Input Current

- Max. 0.24A

Overload Current Protection

- Present, max. input current 3A

Reverse Polarity Protection

- Present

Voltage Dips Protection Time

- Min. 13ms at 24V_{DC}

PHYSICAL

Housing

- IP40 metal case

Dimensions

- 145.3mm (H) x 45mm (W) x 108.7mm (D)

Weight

- 300g

Installation

- Industrial DIN-Rail and wall mounting

ENVIRONMENTAL LIMITS

Operating Temperature

- -10°C to 60°C (14°F to 140°F)
- Tested @ -25°C to 70°C (-13°F to 158°F)

Storage Temperature

- -40°C to 85°C (-40°F to 185°F)

Ambient Relative Humidity

- 5% to 95% (non-condensing)

APPROVALS

Safety

- UL 508, EN 62368-1, IEC 61131-2

EMI

- FCC 47 CFR Part 15 Subpart B Class B, IEC 61000-6-4, EN 55022(CISPR22),

EMS [IEC 61000-6-2, EN 55024(CISPR24)]

- IEC 61000-4-2 level 3, IEC 61000-4-3 level 3, IEC 61000-4-4 level 4, IEC 61000-4-5 level 3, IEC 61000-4-6 level 3, IEC 61000-4-8 level 4, IEC 61000-4-29

Environmental Type Tests

Cold Temperature:

- IEC 60068-2-1

Dry Heat:

- IEC 60068-2-2

Humidity:

- IEC 60068-2-30

Shock:

- IEC 60255-21-2

Freefall:

- IEC 60068-2-32

Vibration:

- IEC 60068-2-6

Hi-Pot:

- 1.5KV

Ordering Information

Product		Port Combination	Interface
Model Name	Operating Temperature	10/100Base-T(X)	Power Input
DVS-005I00	-10°C to 60°C	5	1

Optional Products

DVP/CliQ/PMC Series: 12/24 V_{DC} Industrial Power Supply

CliQII/PMC Series: 48V_{DC} Industrial Power Supply