

# DVS-008I00 Series

## Unmanaged Industrial 8-Port FE Ethernet Switches



- ▶ Voltage Dips protection inside, great to use in unstable power sourcing systems
- ▶ 12 to 48 V<sub>DC</sub> 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(RJ45 port), LINK/ACT

### PERFORMANCE AND SCALABILITY

#### Switching Capacity

- 1.6Gbps, wire-speed, non-blocking switching fabric

#### Forwarding Rate

- 2.4Mpps

#### MAC Address Table

- 8K

#### Packet Buffer Memory

- 1M bits

### POWER REQUIREMENTS

#### Input Voltage

- 1 set, 12 to 48 V<sub>DC</sub> terminal block input

#### Input Current

- Max. 0.18A

#### Overload Current Protection

- Present, max. input current 3A

#### Reverse Polarity Protection

- Present

#### Voltage Dips Protection Time

- Min. 10ms at 24V<sub>DC</sub>

## PHYSICAL

### Housing

- IP40 metal case

### Dimensions

- 145.3 mm (H) x 45 mm (W) x 108.7 mm (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-008I00	-10°C to 60°C	8	1

### Optional Products

DVP/CliQ/PMC Series: 12/24 V<sub>DC</sub> Industrial Power Supply

CliQII/PMC Series: 48V<sub>DC</sub> Industrial Power Supply