

Features

- ✚ Fiber optical options for extending distance and electrical noise immunity
- ✚ Redundant dual 12/24/48 VDC power inputs
- ✚ Relay output warning for power failure and ports break alarm
- ✚ Broadcast storm protection
- ✚ -40 to 75°C operating temperature range
- ✚ Support 4×10/100Base-T(X) ports
- ✚ Support 2× 100Base-FX optical port
- ✚ Support DIN-Rail mounting
- ✚ Support IP 30 protection
- ✚ Support Dual DC inputs. 12~48V DC or AC on 8-pin screw type terminal



Introduction

VDE300-2042 is unmanaged Ethernet switch with 4x10/100Base-T(X) ports and 2x100BaseT-FX optical port. The Ethernet switch is designed for industrial applications, such as rolling stock, vehicle, and railway applications. Our device undergo a 100% burn-in test to ensure that they fulfill the special needs of industrial automation control applications. The VD300-2042 switches can be easily installed on a DIN-Rail.

Ordering Information

VDE300-ABBCD

Code Definition	A: Series	BB: 10/100Base-T(X) or 1000Base-T(X) Port Number	C: 100Base-Fx or 1000Base-Fx Port Number	D: Additional Port Type
Option	2 – Non-managed 3 – Managed, 100M for RJ-45 Port, 100M or 1000M for fiber port	04 – 4 ports	2 – 2 ports	G: Gigabit for fiber port GC: Gigabit combo port

Optional Accessories

SFP100 series : 100Mbps SFP optical transceiver

PS-36 series : 36 Watts DIN-Rail power supply

PS-70 series : 70 Watts DIN-Rail power supply

PS-120 series : 120 Watts DIN-Rail power supply

Specifications

10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	4
100Base-FX SFP	2
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3z for 1000Base-X
Processing	Store-and-Forward
Switch Properties	Switching latency: 7 us
Fault contact relay	Relay output to carry capacity of 1A at 24VDC
Power	
Redundant Input Power	Dual DC inputs. 12~48V DC OR AC on 8-pin screw type terminal
Power Consumption (Typ.)	<5 Watts
Overload Current Protection	Present
Reverse polarity protection	Present
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	160mm x110mm x37mm
Weight (Kg)	1.2
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN50121-4, EN55011)
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
Warranty	3 years

Packing List

VDE300-2042 x 1

User manual x 1

Quick Installation Guide x 1

