

VSD-800-1



Features:

- Auto-negotiation with link partners
- Auto-MDI/MDI-X detection
- DIN-rail mounting
- Screw terminal block and DC jack power interface options
- Wide input voltage range
- Wide operating temperature range
- Industrial-rated Emission and Immunity performance

Description:

Industrial 8 Port 10/100Base-TX Ethernet Switch, with 1 Port Fiber.

Specification:

STANDARDS	
IEEE	802.3(10Base-T), 802.3u (100Base-TX, 100Base-FX)
Approval	FCC class A, CE/EMC class A, EN60950 safety

TRANSMISSION	
Copper Port	8 Port Shielded RJ-45 jack, 10/100Mbps, auto MDI/MDI-X detection, auto negotiation
Fiber Port	ST, SC connectors, 100Mbps full duplex, Far end fault function
Cable	Cat 3, 4, 5, 5e cable
MAC Address Table	1K Entries
Relay Output	Alarm: Power failure Interface: 2 terminal contacts Spec: 30 VDC/1A max. or 120 VAC/0.5A max.
LED Indication	Power status Copper Port: 100M, Link/Act, Duplex/Collision status Fiber Port: Link/Act

PHYSICAL	
Operating Temperature	-10°C ~ 70°C
Storage Temperature	-20°C ~ 85°C
Operating Humidity	5% ~ 95% non-condensing



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Operating Voltage	7 ~ 30 VDC
Power Consumption	Max. 7.3 Watts @ 30 VDC
Dimension	L140 x W106x H40 (mm)

EMI EMS SAFETY ENVIRONMENTAL QUALIFICATIONS		
TEST	STANDARD	SPECIFICATIONS
FCC/EMI	FCC Rule Part 15	Class A
CE/EMC/EMI	EN55022, CISPR 22	Class A
CE/EMC/Harmonic	EN 6100-3-2	< 75 W
CE/EMC/VFF	EN 6100-3-3	Clause 5
CD/EMC/EMS	EN55024	
ESD Test	EN 6100-4-2	Contact: ±8 kV; Air: ±16 kV
RS Test	EN 6100-4-3	Strength: 10 V/m
EFT/BURST	EN 6100-4-4	±4 kV
Surge Immunity	EN 6100-4-5	±4 kV
CS Test	EN 6100-4-6	Level 3
Magnetic Field Imm.	EN 6100-4-8	50 Hz 40A/m
Voltage Dips Imm.	EN 6100-4-11	Interruption: C ; Dips: B
Safety	EN60950, IEC60950	
Dielectric Voltage	IEEE 802.3	TP, 1500 VAC /60 sec
Insulation Resistance	IEEE 802.3	TP, 500 VDC /10 MOhm
Cold Test	IEC68-2-1 Test Ad	-20°C, 96 hrs
Dry Heat Test	IEC68-2-2 Test Ad	+70°C, 40% RH, 96 hrs
Damp Heat Test	IEC68-2-3	+60°C, 90% RH, 96 hrs
Storage Test	IEC68-2-48	-20°C, 96 hrs; +85°C, 40% RH, 96 hrs
Vibration Test	IEC68-2-34	

Ordering Information:

VSD-800 - 1X

X	Connector	Mode	Distance	Wavelength	Tx Power	Sensitivity	Rx Max.
T	Dual ST	MM	2 km	1310 nm	-19 ~ -14 dBm	-31 dBm	-14 dBm
C	Dual SC	MM	2 km	1310 nm	-19 ~ -14 dBm	-31 dBm	-14 dBm
C1	Dual SC	MM	2 km	1310 nm	-20 ~ -14 dBm	-31 dBm	0 dBm
SA2	Dual SC	SM	20 km	1310 nm	-15 ~ -8 dBm	-31 dBm	-7 dBm
SL2	Dual SC	SM	20 km	1310 nm	-15 ~ -8 dBm	-30 dBm	-7 dBm