

Industrial Ethernet IE-SW-VL05M-3TX-2ST

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Product image



The Value Line from Weidmüller consists of unmanaged and managed switches in a high-quality IP 30 protected metal housing. The equipment can be delivered with Fast Ethernet and Gigabit Ethernet ports. Value Line managed switches support a variety of helpful management functions, such as fast ring redundancy, port-based VLAN, QoS, RMON, bandwidth management, port mirroring and error notification via e-mail or a relay. The ring redundancy can be simply set via the web based management interface, or with a dip switch found on the top of the switch.

- Unmanaged Plug & Play switches in a high-quality metal housing (IP 30)
- Price-conscious middle-range
- Managed switches for the entry into a configurable network infrastructure
- Unmanaged full Gigabit switch with 8 ports
- Approvals: CE, FCC, cULus, Class I Div. 2 / ATEX, DNV / GL

General ordering data

Type	IE-SW-VL05M-3TX-2ST
Order No.	1504370000
Version	Network switch, managed, Fast Ethernet, Number of ports: 3x RJ45, 2 * ST Multi-mode, IP30, 0 °C...60 °C
GTIN (EAN)	4050118312386
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	53.6 mm	Width (inches)	2.11 inch
Height	135 mm	Height (inches)	5.315 inch
Depth	105 mm	Depth (inches)	4.134 inch
Net weight	650 g		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D
Free fall	according to IEC 60068-2-32	Security	UL508, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1
Ship use	DNV-GL	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Fibre optic 100BaseFX

Link budget multimode	12 dB	Max. TX multi-mode	-10 dBm
Min. TX multi-mode	-20 dBm	Receive sensitivity multi-mode	-32 dBm
System reserve multi-mode	-6 dBm	Typical distances multi-mode	5 km (50/125 µm, multi-mode cable), 4 km (62.5/125 µm multi-mode cable)
Wavelength multi-mode	1,300 nm		

Guarantee

Time interval 5 years

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Technical data**Interfaces**

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Console port interface	RS-232
DIP switch	Turbo-Ring, Master, Coupler, Reserve	Fibre-optic ports	100BaseFX ports (ST connector), Multimode
LED indicator	PWR1, PWR2, FAULT, MSTR/HEAD, CPLR/TAIL, 10/100M (TP-Port), 100M (fibre-optic port).	Number of ports	3x RJ45, 2 * ST Multimode
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

MTBF

MTBF	392,000 hrs	MTBF	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 6-pin terminal block	Current consumption	0.32 A bei 24 V
Overload current protection	Existing	Reverse polarity protection	Available
Supply voltage, max	45 V DC	Supply voltage, min.	12 V DC
Voltage supply	24 V DC, 2 redundant inputs		

Switch characteristics

IGMP-Groups	256	MAC table size	2 K
Max. number of available VLANs	64	Packet buffer size	1 Mbit
Priority queues	4	VLAN-ID max	4,094
VLAN-ID min	1		

Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	Rail		

Technology

Flow control	IEEE 802.3x flow control, Back pressure flow control	MIB	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9
Protocol	IGMPv1/v2, GMRP, GVRP, SNMPv1/v2c/v3, DHCP Server/Client, TFTP, SNMP, SMTP, RARP, RMON, HTTP, Telnet, Syslog, DHCP option 66/67/82, BootP, LLD, PROFINET, EtherNet/IP, Modbus/TCP, IPv6	Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX, IEEE 802.3x for flow control, IEEE 802.1D-2004 for the Spanning Tree protocol, IEEE 802.1w for Rapid STP, IEEE 802.1p for Class of Service, IEEE 802.1Q for VLAN tagging

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Technical data**Classifications**

ETIM 5.0	EC000734	ETIM 6.0	EC000734
eClass 6.2	19-17-01-06	eClass 7.1	19-17-01-06
eClass 8.1	19-17-01-06	eClass 9.0	19-17-01-06
eClass 9.1	19-17-01-06		

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	ODVA Certificate DNV-GL certificate EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 15/16 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
Product Change Notification	Firmware Release Notes Product Change Notification IE-SW-VL05M-series
Software	SNMP MIB file GSDML IE-SW-VL05M-series EDS IE-SW-VL05M-series Managed Switch Configuration Utility Firmware Version 3.6.6
User Documentation	Hardware Installation Guide Manual