

## IE-SW-AL05LM-5TX

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



### Features of AdvancedLine managed Switch series

Industrial networks require a future-proof infrastructure with high availability, reliability, and transparency. Managed switches increase network availability utilizing redundancies and control mechanisms as well as network diagnostics in demanding automation networks.

- Extensive set of management features enable the set-up of various redundancy, monitoring, traffic filter and security functions
- Huge variety of port count and media type enable a wide range of applications (5 to 24 ports)
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Suitable for use in harsh industrial environment thanks to rugged design and wide operating temperature range of -40°C up to 75°C

### General ordering data

Version	Network switch, lite managed, Fast Ethernet, Number of ports: 5x RJ45, IP30, -40 °C...75 °C
Order No.	<a href="#">2682250000</a>
Type	IE-SW-AL05LM-5TX
GTIN (EAN)	4050118692464
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	95 mm	Depth (inches)	3.74 inch
Height	144.3 mm	Height (inches)	5.681 inch
Width	26.1 mm	Width (inches)	1.028 inch
Net weight	489 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	75 °C
Humidity	5 to 95 % (non-condensing)		

## EMC conformity and approvals

EMC standards	EN 55032, EN 55024, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms	Free fall	According to IEC 60068-2-31
Safety standard	UL 61010-1, UL 61010-2-201	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

## Environmental conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
	Note	in acc. with UL	
	Altitude, max.	6,000 m	
	Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads	
Operating temperature, max.	75 °C		
Operating temperature, min.	-40 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

## Guarantee

Time interval	5 years
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## Interfaces

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Function DIP switch	1x for enabling/disabling power fault alarm via relay, 3x for ring redundancy settings
Function reset button	<5 sec: System reboot, >5 sec: Factory default	Number of ports	5x RJ45
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

## MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1,796,601 h

## Management features

Device configuration	Webbrowser (HTTP/HTTPS), SNMP v1/v2c/v3, Telnet console, Command Line Interface (CLI), Upload of a configuration file via web-interface or TFTP-Server	Monitoring function	SNMP v1/v2c/v3, Link Layer Discovery Protocol (LLDP), Syslog, Event based warning via E-Mail, Event based warning via relay, Event based warning via SNMP trap
Network redundancy	Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), O-Ring (recovery time <10 ms), O-Chain (recovery time <10 ms), Fast recovery	Network traffic filter	Port based VLAN
IP-address management	Static, DHCP-Client, DHCP-Server (port based, pool-based), DHCP Option 82, DHCP-Relay	Security functions	VLAN segmentation, Enable/disable ports, Loop protection, TACACS + Authentication, Management access security via secure IP-list and configuration of allowed access methods (web-interface, telnet, SSH)
Time synchronization management	NTP server, SNTP client	Industrial protocol support	Modbus/TCP slave

## Power supply

Connection type	1 removable 6-pin terminal block		
Current consumption	Voltage	12 V DC	
	Current	0.5 A	
	Voltage	24 V DC	
	Current	0.25 A	
	Voltage	48 V DC	
	Current	0.12 A	
Overload current protection	Yes		
Reverse polarity protection	Yes		
Voltage supply	12/24/48 V DC, 2 redundant inputs		
Voltage supply range	Voltage type	DC	
	Voltage, min.	10.8 V	
	Voltage, max.	52.8 V	

Creation date March 10, 2023 8:39:05 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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## Data sheet

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## Technical data

### Switch characteristics

Bandwidth backplane	1 Gbps	MAC table size	2 K
Packet buffer size	1 Mbit		

### Technical data

Housing main material	Metal	Protection degree	IP30
Speed	Fast Ethernet	Switch	lite managed
Type of mounting	DIN rail		

### Technology

Data switching Standard	Store and Forward IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for flow control, IEEE 802.1D for the Spanning Tree protocol, IEEE 802.1w for Rapid STP, IEEE 802.1AB for Link Layer Discovery protocol (LLDP)	Flow control	IEEE 802.3x flow control
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### Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ECLASS 9.0	19-17-01-06
ECLASS 9.1	19-17-01-06	ECLASS 10.0	19-17-04-01
ECLASS 11.0	19-17-04-01	ECLASS 12.0	19-17-04-01

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

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### Downloads

Approval/Certificate/Document of Conformity	<a href="#">KC certificate</a> <a href="#">EU Declaration of Conformity</a> <a href="#">RCM Declaration of Conformity</a> <a href="#">UK Declaration of Conformity</a> <a href="#">Manufacturer's declaration for operating altitude</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Firmware Release Notes</a>
Software	<a href="#">Device description – SNMP private MIB</a> <a href="#">Firmware – Current Firmware</a>
User Documentation	<a href="#">Hardware Installation Guide</a> <a href="#">User manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>