

Industrial Ethernet IE-SW-BL05-5GT

Weidmüller Interface GmbH & Co. KG

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Weidmüller's BasicLine consists of unmanaged Plug & Play switches in a robust IP 30 protected aluminium housing. The equipment can be delivered with Fast Ethernet and Gigabit Ethernet ports and offers an economical solution for industrial Ethernet networks. One variety is fitted with Fast Ethernet and Power-over-Ethernet ports. All the equipment has been developed for use in harsh industrial environments and has international approvals such as CE, cULus, Class I Div. 2 / ATEX and DNV / GL, and is therefore able to be used in many international applications.

- Plug & Play switches in a rugged aluminium housing (IP 30)
- Compact design
- Switches for an economical entry solution
- Fast Ethernet versions with 5 and 8 ports
- Models with copper or fibre-optic interface (multimode and singlemode)
- Full Gigabit Plug and Play switch with 5 ports
- Power-over-Ethernet (PoE) switch with 6 Fast Ethernet ports, 4 of them PoE+ ports
- Approvals: CE, FCC, cULus, Class I Div. 2 / ATEX, DNV / GL

General ordering data

Delivery status	Discontinued
Available until	2016-12-30
Type	IE-SW-BL05-5GT
Order No.	1241250000
Version	Network switch, unmanaged, Gigabit Ethernet, Number of ports: 5 * RJ45 10/100/1000BaseT(X), IP30, 0 °C...60 °C
GTIN (EAN)	4050118029277
Qty.	1 pc(s).
Alternative product	2435400000

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Technical data
Dimensions and weights

Width	35 mm	Width (inches)	1.378 inch
Height	130 mm	Height (inches)	5.118 inch
Depth	105 mm	Depth (inches)	4.134 inch
Weight	290 g	Net weight	290 g

EMC conformity and approvals

EMC standards	FCC Part 15 Subpart B Class A, EN 55022 Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), Stage 3, EN 61000-4-5 (surge voltage), Stage 3, EN 61000-4-6 (CS), Stage 3	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc
Free fall	according to IEC 60068-2-32	Security	UL508
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		

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	DIP switch	Port surveillance, Broadcast storm protection enable/disable, Enable/disable jumbo frame support
LED indicator	PWR1, PWR2, FAULT, 10/100/1000M	Number of ports	5 * RJ45 10/100/1000BaseT(X)
RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

MTBF

MTBF	478,000 hrs	MTBF	Telcordia (Bellcore), GB
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Technical data

Power supply

Connection type	1 removable 6-pin terminal block	Current consumption	0.20 A at 24 V
Reverse polarity protection	Available	Supply voltage	12/24/48 V DC, 9.6 to 60 V DC, 2 redundant inputs

Switch characteristics

Jumbo frame support	up to 9.6 KB	MAC table size	8 K
Packet buffer size	1,088 Kbit		

Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	Mounting rail, Panel (with optional mounting kit)		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control, Back pressure flow control
Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX, IEEE 802.3ab for 1000BaseT(X), IEEE 802.3x for flow control		

Classifications

ETIM 4.0	EC002598	ETIM 5.0	EC002598
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	DE_PN4800_160418_005.pdf
Brochure/Catalogue	CAT 9 IETH 15/16 EN
Engineering Data	EPLAN, WSCAD
User Documentation	Hardware Installation Guide

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Accessories

Mounting kit for 19" rack assembly

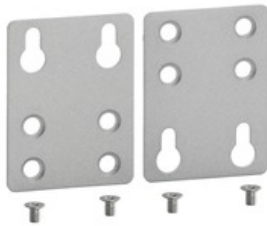
- For assembling DIN rail-based devices on 19" racks



General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RM-KIT	1241440000	Kit for 19"-rack mounting	4050118029154	1 pc(s).

Mounting kit for wall mounting



Mounting kit for alternative wall-mounting of DIN rail-based (top-hat type) Industrial Ethernet components.

IE-WALLMOUNT-KIT-30MM for use with:

- Industrial Ethernet Switches of the product range **IE-SW-BL05**

IE-WALLMOUNT-KIT-46MM for use with:

- Industrial Ethernet Switches of the product ranges **IE-SW- BL06/BL08/VL05/VL08/VL09/VL16/PL06/PL08/PL09/PL10/PL16/PL18**
- Industrial Ethernet media converters of the product range **IE-MC-VL**
- Industrial Ethernet switches of the product range **IE-WL-AP**

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
IE-WALLMOUNT-KIT-30MM	1504450000	,	4050118312300	1 pc(s).

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Accessories

Ethernet (Cat.6)



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE (acc. to IEEE 802.3af) and PoE+ (acc. to IEEE 802.3at)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
VDATA CAT6	1348590000	Terminal rail fixing, 48 V, 60 V, 1 A, According to IEC61643-21	4050118153002	1 pc(s).