Technical change to IE-SW-BL05-series
(5-Port Fast Ethernet unmanaged Switches)

Dear Madam or Sir,

the products listed below are subject to a product change and will be supplied in a modified revision. Please pass this product information on to your employees and, if needed, to your customers. All modifications mentioned have been made to support our ongoing commitment to continual improvement and ongoing product development.
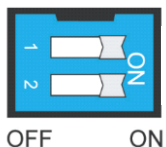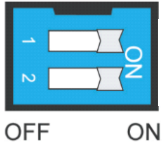
1. Initial situation

Product revision change due to phase in of new switching chip.

2. Technical changes

1.) Increased MAC-table and packet buffer size.

Article name	Article number	MAC-table size current version	MAC-table size new version	Packet buffer size current version	Packet buffer size new version
IE-SW-BL05-5TX	1240840000	1K	2K	448 Kbit	768 Kbit
IE-SW-BL05T-5TX	1240850000	1K	2K	448 Kbit	768 Kbit
IE-SW-BL05-4TX-1SCS	1240870000	1K	2K	448 Kbit	768 Kbit
IE-SW-BL05T-4TX-1SCS	1286530000	1K	2K	448 Kbit	768 Kbit
IE-SW-BL05-4TX-1ST	1240880000	1K	2K	448 Kbit	768 Kbit
IE-SW-BL05T-4TX-1ST	1286540000	1K	2K	448 Kbit	768 Kbit
IE-SW-BL05-4TX-1SC	1240890000	1K	2K	448 Kbit	768 Kbit
IE-SW-BL05T-4TX-1SC	1286550000	1K	2K	448 Kbit	768 Kbit

2.) DIP-Switch 2 gets new function QoS and multicast MAC address filter.

Current version (2.0.2)	New version (3.0.0)
BSP ---- OFF ON	BSP QoS OFF ON
2-Pin DIP Switch for: - DIP-Switch 1: enabling/disabling Broadcast storm protection (BSP) - DIP-Switch 2: reserved for future use (----) Note: The default setting for each DIP Switch is OFF	2-Pin DIP Switch for: - DIP-Switch 1: enabling/disabling Broadcast storm protection (BSP) - DIP-Switch 2: enabling/disabling QoS/Multicast MAC address filtering Note: The default setting for each DIP Switch is OFF

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3.) QoS and Multicast filter function added.

Changes	current version	new version
Quality of Service (QoS)	N/A	Support of IEEE 802.1p for Class of Service by enabling Quality of Service to handle packet priorities in four WRR queues with QoS priority mapping matrix in each queue.
Multicast Filtering	N/A	Enabling the QoS DIP switch will also enable Multicast Filtering, which will block the MAC address within the range of 01-80-C2-00-00-02 to 01-80-C2-00-00-0F.
PROFINET Conformance Class A Industrial protocol support	N/A	By enabling QoS DIP switch

QoS 3bit priority	7 · 6	5 · 4	3 · 2	1 · 0
Queues	3	2	1	0
WRR	8	4	2	1

Besides the changes shown under section "Technical changes", there are no other changes in the product's form, fit or functionalities.

3. Reason for change

Phase in of new switching chip.

4. Availability

From October 2024. We perform a running change to phase in the new product versions. Therefore, availability of new product version depends on sales figures and stock level and thus may vary for the articles shown in table under section 5.

5. Affected parts

Article name	Article number	Current version	New version
IE-SW-BL05-5TX	1240840000	2.0.2	3.0.0
IE-SW-BL05T-5TX	1240850000	2.0.2	3.0.0
IE-SW-BL05-4TX-1SCS	1240870000	2.0.2	3.0.0
IE-SW-BL05T-4TX-1SCS	1286530000	2.0.2	3.0.0
IE-SW-BL05-4TX-1ST	1240880000	2.0.2	3.0.0
IE-SW-BL05T-4TX-1ST	1286540000	2.0.2	3.0.0
IE-SW-BL05-4TX-1SC	1240890000	2.0.2	3.0.0
IE-SW-BL05T-4TX-1SC	1286550000	2.0.2	3.0.0

Note: The product revision is shown on the box label and side label of the respective product.

6. Data

- PCN-number: PCN-PN48-20240410-00-A
- date of publishing: 10th April 2024
- revision number: A

We hope that the changes will benefit your business and will not affect you in any significant way and apologies in case of any inconvenience caused. Please rest assured that we will do everything possible to achieve this product change as smoothly as possible with minimum or no business disruption.

For further questions or if you need any additional assistance or information, please contact your local sales office directly. All contacts for sales representatives are available here: http://www.weidmueller.com/contact

Details of this and any other product changes can also be found on our web page by following the link shown below

http://www.weidmueller.com/int/service/online-support-and-downloads/product-change-notification

Best regards

Product Management

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Weidmüller – Your partner in Industrial Connectivity
We look forward to sharing ideas with you – **Let's connect.**