

Technical change to passive M12 EX distribution boxes for zone 1 (ATEX and IECEx approval)

Dear Madam or Sir,

The passive M12 ATEX approved distribution boxes for the use in explosion-protected areas, especially zones 1 and 21, will be changed after a transitional period.

Please pass on this Product Change Notification (PCN) to your employees and, if applicable, to your customers.

1. General overview

Type of change: short-term (executed within the next 6 months)
 normal (executed after 6 months)

Short-term action due to:

Software or firmware bugfix Delivery stop by supplier
 Short-term recall by supplier Force majeure
 Product improvement other

Short-term action due to:

Updating the ATEX approval & adding an IECEx approval

2. General information

The ATEX approval for the products listed below was obtained in accordance with the two standards EN 60079-0:2012 and EN 60079-11:2012. The standards have been revised in the past and there are new versions. In the course of this, we have revised the products so that they conform to the two standards EN IEC 60079-0:2018 and EN 60079-11:2012.

3. Change details

In order to requalify the products and at the same time make them sustainable in terms of the use of environmentally harmful substances, the products had to be extensively revised. The changes can be broken down into the following categories: Approval, technical specifications, by-pack. The respective details of the changes are explained below:

Approval

In the past, the products were ATEX approved for use in Zone 1 and Zone 21. Accordingly, the existing approval included both a dust and a gas approval. Due to the amended standards, the products no longer meet the requirements for dust approval, meaning that the products are only approved for Zone 1 after requalification (no longer for Zone 21). Accordingly, the approval changes as follows:

Previously approval	New approval
 II 2G Ex ia IIC T6 Gb  II 2D Ex ia IIIC T80°C Db IP67	 II 2G Ex ia IIC T6 Gb

In addition to requalification of the ATEX approval, the products are also IECEx approved. The approval for this is based on the two standards IEC 60079:2017 and IEC 60079-11:2023.

The certificate number for the ATEX approval is: **TÜV 23 ATEX 9020 X**

The certificate number for IECEx approval is: **IECEx TUR 23.0030 X**

Technical specification

In addition to the changes relating to the approval, changes had to be made to the design of the products. In addition to the inverse change of the housing and contact carrier color with the same plastics, the potting was changed to a black PUR potting with UL approval and V0 classification. In a further change, the black O-rings were replaced with blue O-rings with an extended temperature range. To make wiring the distribution boxes as simple as possible and save time, the female PCB connectors with screw connection inside the hood have been replaced by variants with **PUSH IN connection**. The technical specifications remain identical, but with much simpler installation. In addition to the physical changes to the product, there are also different nominal data (**nominal voltage: 30 V** and **nominal current: 0.8 A**) and a change in the designation of the articles. A new designation key provides more information about the product and thus helps to differentiate between the products. Furthermore, the products conform to RoHS without exception 6c (<0.1% lead in homogeneous material) and can therefore be used in the application in the future.

Accessory pack

Another change concerns the cable gland used: from the changeover, the EX i approved cable gland with the article number 2722390000 will be supplied with the distributor. This can be used for cables with an outer diameter of 7 to 13 mm. In addition, the protective cap previously supplied will be replaced by the Weidmüller protective cap with the article number 2330260000.

Previously product design	New product design
	

4. Affected parts

All items in the following table are affected by the change described above.

Please note that further articles in the new production status have been added to the portfolio and articles from the portfolio will also be discontinued, as these can no longer be brought into line with the standards. The new versions include articles with the above-mentioned plastic cable gland as well as products with a die-cast zinc cover and an ATEX/IECEx-approved metal cable gland.

Article number	Previously description	New description
1868350000	SAI-4-M 4P EXI Z1 OL	SAI-04D-VPPP-2A-M120-NAM-EX
1894380000	SAI-8-M 4P EXI Z1 OL	SAI-08D-VPPP-2A-M120-NAM-EX
1895160000	SAI-4-MF 4P Exi OL 11U	SAI-04D-VPPP-2A-M120-NAM-EX-11U03
1895170000	SAI-8-MF 4P Exi OL 11U	SAI-08D-VPPP-2A-M120-NAM-EX-11U06

5. Timeline

The new approval for the products is now available. All new orders will be delivered in the new design with immediate effect. The previous design is no longer available for the above-mentioned products.

We hope that the changes will benefit your business and will not affect you in any significant way. We apologize 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 please contact your sales office directly. All contacts for sales representatives are available here: <https://www.weidmueller.com/contact>

Details of this and any other product changes can also be found in our Support Center by following the link: <https://support.weidmueller.com/support-center/popular-resources/product-change-notifications>

Best regards

Product Management

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26 | 32758 Detmold | Germany
www.weidmueller.com

