

## Technical change to passive M12 distribution boxes with M23 outlet

Dear Madam or Sir,

the products out of the range of passive M12 distribution boxes with M23 outlet 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:

- |   |  |
|---|--|
| <input type="checkbox"/> Software or firmware bugfix    | <input type="checkbox"/> Delivery stop by supplier |
| <input type="checkbox"/> Short-term recall by supplier  | <input type="checkbox"/> Force majeure             |
| <input checked="" type="checkbox"/> Product improvement | <input type="checkbox"/> other                     |

#### Short-term action due to:





- Implementation of the future quick-connection for M23 connectors.
- Changeover of products to lead-free components
- Changeover of housing colour and potting

### 2. General information

Within the IEC 61076-2-117 standard, a quick connector is introduced for the M23 connector. In order to be able to map this contour, the M23 connector within the distribution box has to be replaced. In the course of the change, all leaded components will also be replaced by lead-free variants. In addition, the potting is changed due to better availability and the housing colour is changed from grey to black as well as the colour of the contact carriers from black to grey.

### 3. Change details

In order to accommodate the new quick connector in combination with a standard screw connector in an M23 connector, a larger connector must be used. Accordingly, the height of the distribution box is raised by 6.35mm at the outlet from 28.8 to 35.15mm (see following figure). In the course of the expiry of the RoHS 6c exemption, the lead-containing components such as threaded sleeves and contacts will be replaced by lead-free variants. Likewise, the black mirror potting will be replaced with a natural one-step potting. Slight sink marks on the back of the distribution box are possible as a result, but do not affect the technical properties. The grey housing (RAL 7035) is changed to a black plastic (RAL 9004). The colors of the contact carrier are changed in the opposite direction to the housing change.

Old Design	New Design
 <p><b>Figure 1:</b> Height of the M23 connector outlet</p>  <p><b>Figure 3:</b> old grey colour concept</p>	 <p><b>Figure 2:</b> Height of the M23 connector outlet</p>  <p><b>Figure 4:</b> new black colour concept</p>

## 4. Affected parts

All articles from the following table are affected by the changeover.

Article number	Article description
9456000000	SAI-4-S 4P M12
9456010000	SAI-6-S 4P M12
9456010001	SAI-6-S 5P M12
9456020000	SAI-8-S 4P M12
1795470000	SAI-8-S 5P M12
2694040000	SAI-4-S 8P M12

## 5. Timeline

The changeover within production will take place from **Q3 2023**. Due to inventory levels, mixed stocks may occur in deliveries.

We hope that the changes will benefit your business and will not affect you in any significant way. We apologise 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.

We are very sorry for all the inconveniences caused and doing everything to adjust this product change as smooth as possible without big influence on delivery times and general functions.

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

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