

<b>Business Unit:</b>	Electronics	<b>PCN/ 003</b>
<b>Product range:</b>	M12 Connectors	Date: 2012-11-07
<b>Title:</b>	<b>New Shielding Termination for HARAX® M12</b>	Page 1/3

Dear Customer,

We are pleased announce the availability of our **female** M12 connectors with HARAX® termination with improved shielding. Part numbers of the improved connectors are listed below.

Part Number	Gender	Coding
21 03 221 2405	Female	a-coding
21 03 222 2401	Female	a-coding
21 03 222 2402	Female	a-coding
21 03 222 2403	Female	a-coding
21 03 241 2300	Female	b-coding
21 03 281 2405	Female	d-coding
21 03 282 2405	Female	d-coding

#### Modification Details:

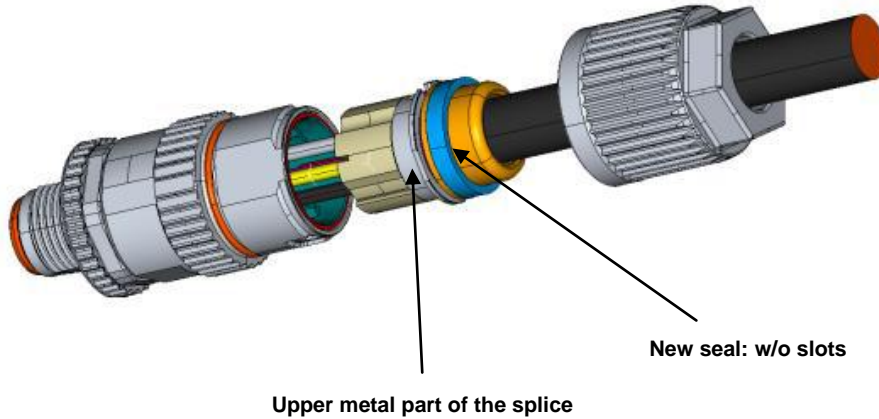
The old shielding termination was done by separating the shielding braid into two ends, these had to be located inbetween the slots of the corresponding seal. Now, the shielding braid is located between the seal and a metal part (shielding element) of the splice ring. The new metal part has direct connection to the housing for the transmission of the shielding signal.

#### New Shielding Termination Benefits:

- Easy termination of the shielding by simply locating it between seal and the metal part of the splice ring.
- 360° of shielding.
- No slots in the seal.
- Deformation of the seal is avoided because the slots are not longer present → more reliable IP 65/67 protection.
- New design prevents cable from turning while being assembled.
- Same shielding termination for HARAX®-connectors and crimp-connectors.



- Every p/n in the table above is fitted with three seals (comparable to *HARAX*<sup>®</sup> M8-S), the range for the OD is printed.



### Availability:

The production of parts, with the part numbers indicated on page 1, **was initiated on the first week of October 2012**. Please take mixed shipments of these parts into consideration for a short period of time.

### Impact on brandlabeled parts or customized parts:

Both, brandlabeled and customized parts are affected by this change as well. The list of the part numbers is shown below.

Part Number	Gender	Coding
21 53 221 2405	Female	a-coding
21 59 221 2405	Female	a-coding
21 53 241 2300	Female	b-coding
21 57 241 2300	Female	b-coding
21 60 241 2300	Female	b-coding
21 65 241 2300	Female	b-coding
21 59 281 2405	Female	d-coding
21 65 281 2405	Female	d-coding

Part Number **21 03 221 2406** was not switched to the new design, and was fitted with only one seal. Please select part number **21 03 221 2405** in your future orders since the required seal is included in the set of 3 seals and is included with each shipment.

The availability of the male versions will be announced separately.

Please don't hesitate to contact our technical support if you have any questions.

Technical Support E-mail: [TechSupportUS@HARTING.com](mailto:TechSupportUS@HARTING.com)

Technical Support Phone Number: **866-278-0306** (Select option 3 for technical support).