

**Business Unit:** Electronics**PI/ 014****Product range:** Han<sup>®</sup> Push Pull RJ45

Date: 2012-1-21

**Title:** Han<sup>®</sup> Push Pull Gender changer RJ45

Page 1/3



Dear Customer,

We are pleased to announce the availability of the updated Han<sup>®</sup> Push Pull Gender changer RJ45 (p/n: **09 35 221 0501**).



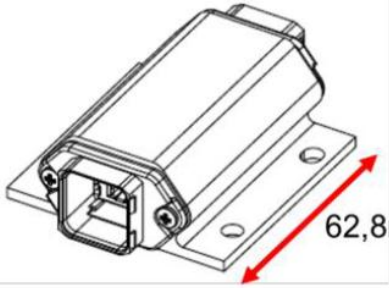
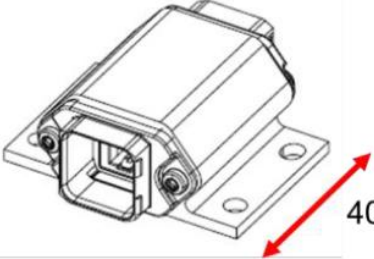
As the RJ Industrial Bulkhead Cat.6 is available for several months, we decided to phase out the inner printed circuit board of the Han<sup>®</sup> Push Pull Gender changer and replace it with the new bulkhead.

### **Benefits of the updated Gender changer**

- Better EMC performance due to the completely shielded bulkhead.
- Higher transmission performance for Industrial Ethernet due to Cat.6/Class E<sub>A</sub> with up to 500 MHz performance, suitable for the transmission rate of 1/10 Gigabit Ethernet.
- Higher reserves in Profinet applications which require Cat.5. and Class D up to 100 MHz.
- Smaller housing due to reduced length from 62.8mm to 40.8mm.
- Part number remains the same in compliance with customers' requests.



## Design changes

| Old design   | New design   |
|--|--|
| Based on PCB solution, suitable for Cat. 6, Class E, 1 Gigabit Ethernet            | Based on RJ Industrial Bulkhead, suitable for Cat. 6, Class E <sub>A</sub> , 1/10 Gigabit Ethernet |
|   |                  |
|  |                 |

For technical data and drawings, go to the appendix section of this document.



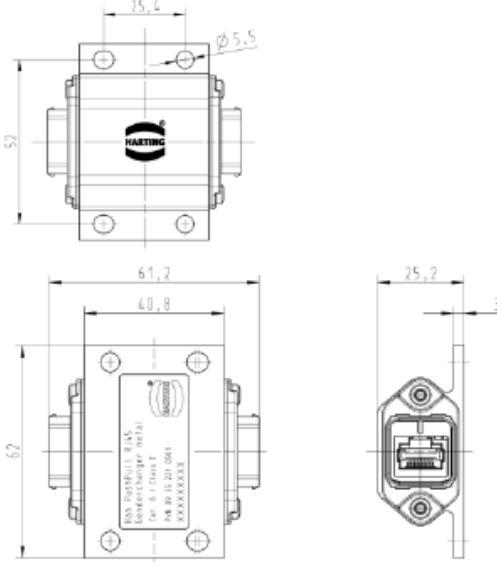
Please don't hesitate to contact our technical support if you have any questions.

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

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



## Appendix: Technical Data and Drawings

| Han® PushPull RJ45 Genderchanger metal   |   |  |
|--|---|--|
|   |   |    |
| Han® PushPull RJ45 Genderchanger metal<br>Cat. 6 / Class E <sub>A</sub>  |   |  |
| Benefits   |   | Application  |
| <ul style="list-style-type: none"> <li>• High degree of protection IP 65 / IP 67</li> <li>• Robust metal housing</li> <li>• Standard PROFINET component of the German automotive production</li> <li>• Can be count as one connection acc. to IEC 11 801 Chapter 10.2.4</li> </ul> |   | <ul style="list-style-type: none"> <li>• Allows usage of different cable types (Type B, C) e.g. in robots application</li> <li>• Extension of cords according to PROFINET guideline</li> </ul> |
| Description  | Order number  | Drawings   |
| Han® PushPull RJ45 Genderchanger metal<br><br>including housing and RJ Industrial® bulkhead  | 09 35 221 0501  |    |
| Technical data   |   |  |
| Transmission performance   | acc. to ISO/IEC 11 801:2002, EN 50 173-1, category 6 / class E <sub>A</sub> up to 500 MHz |  |
| Transmission rate  | 10/100 Mbit/s and 1/10 Gbit/s   |  |
| Mating face  | RJ45 acc. to IEC 60 603-7   |  |
| Locking  | PushPull technology acc. to IEC 61 076-3-117 Var. 14                                      |  |
| Mating cycles  | min. 750  |  |
| Housing material   | Aluminium anodized  |  |
| Dimension  | 61.2 x 62 x 25.2 mm   |  |
| Degree of protection acc. to DIN 60529   | IP 65 / IP 67   |  |
| Mounting   | Wall mountable with 4 screws (type M5)  |  |
| Temperature range  | -20 °C ... +70 °C   |  |
|  | HARTING Electronics GmbH<br>Marienwerderstr. 3   D-32339 Espelkamp<br>www.HARTING.com     | 2012-11-21   |