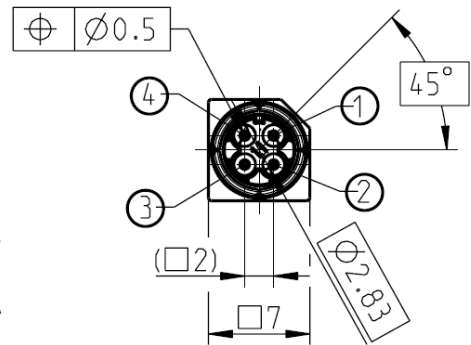
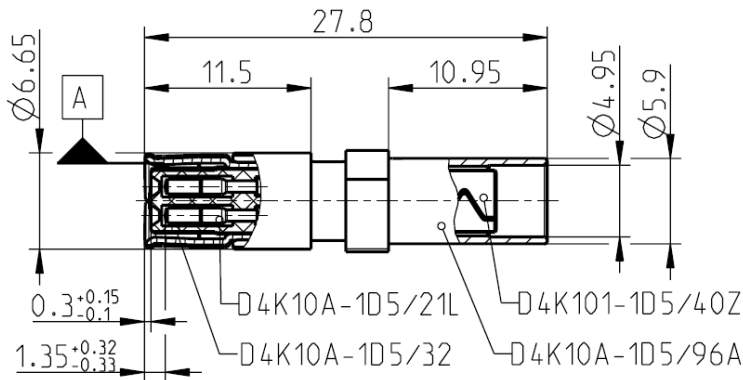


○ = Pinbelegung  
○ = PINNING



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

According to RN 059-01

**Documents**

Assembly instruction MA\_D4V007 c01  
 Pinning instruction RN 053-01  
 Test Specification RN 061-01

**Material and plating**

**Connector parts**

| Connector parts  | Material      | Plating                                     |
|------------------|---------------|---|
| Center contact   | Spring bronze | Contact=Gold min. 0.15µm; Crimp=Sn min. 1µm |
| Outer contact    | Brass         | Nickel, 2.5-5 µm                            |
| Contact sleeve   | Spring bronze | Nickel, 2.5-5 µm                            |
| Dielectric       | PA 12         |   |
| Crimping ferrule | Spring bronze | Tin, 0.5-2 µm                               |
| Housing          | PBT           |   |
| Secondary lock   | PBT           |   |

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RF\_35/09.14/6.2

**Electrical data**

|  |  |
|--|--|
| Impedance, differential mode           | 100 Ω differential signalling, for one pair or quad cable shielded         |
| Frequency                              | DC to 2.0 GHz  |
| Return loss                            | ≥ 20 dB to 1.0 GHz<br>≥ 17 dB to 2.0 GHz                                   |
| Insertion loss                         | ≤ 0.1 dB @ 1.0 GHz   |
| Skew (between signal contacts)         | ≤ 5 psec.  |
| Nearend-Crosstalk                      | ≤ 30 dB  |
| Farend-Crosstalk                       | ≤ 35 dB  |
| Insulation resistance                  | ≥ 1x10 <sup>3</sup> MΩ   |
| Signal contact resistance              | ≤ 10 mΩ  |
| Outer contact resistance               | ≤ 7.5 mΩ   |
| Test voltage                           | 250 V rms  |
| Working voltage                        | 100 V rms  |
| Power current                          | ≤ 1.5 A DC   |
| RF-leakage ( shielding effectiveness ) | ≥ 75 dB up to 1 GHz (IEC 62153-4-7)<br>≥ 65 dB up to 2 GHz (IEC 62153-4-7) |

**Mechanical data**

|                              |         |
|------------------------------|---------|
| Mating cycles                | ≥ 25    |
| Engagement force             | ≤ 30 N  |
| Disengagement force          | ≥ 5 N   |
| Retention force latch        | ≥ 110 N |
| Retention force primary lock | ≥ 80 N  |
| Coding efficiency            | ≥ 80 N  |

**Environmental data**

|                          |                                   |
|--------------------------|-----------------------------------|
| Temperature range        | -40°C to +105°C                   |
| Thermal shock            | DIN IEC 60068-2-14 Test NA        |
| Temperature and humidity | USCar 2 – 4 5.6.2                 |
| Vibration (Random)       | DIN IEC 60068-2-64                |
| Mechanical Shock         | DIN IEC 60068-2-27                |
| High-Temp. Exposure      | DIN IEC 60068-2-2                 |
| Soldering profile        | acc. to IEC 60068-2-58; Group 3&4 |
| RoHS                     | compliant                         |

**Tooling**

|               |            |
|---------------|------------|
| Crimping tool | on request |
| Crimp insert  | on request |

**Suitable cables**

|            |           |
|------------|-----------|
| Cable type | Dacar 538 |
|------------|-----------|

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




RF\_35/09\_14/6.2

**Packing**

|                |                                     |
|----------------|-------------------------------------|
| Standard       | 100 pcs in box (sample parts)       |
| D4K10A-1D5/96A | 500 pcs in box                      |
| D4K10A-1D5/21L | 500 pcs on reel / 30000 pcs on reel |
| D4K10A-1D5/32  | 3000 pcs in box                     |
| D4K101-1D5/40Z | 250 pcs in box / 2500 pcs on reel   |
| D4Z001-000-Y   | 250 pcs in box                      |
| Weight         | 5.28 g/pce                          |

**Coding**

Part Number has to be accomplished by codification

| Coding | Jack  | Colour         | RAL       | Part-Number    |
|--------|---|----------------|-----------|----------------|
| A      |    | black          | sim. 9005 | D4K10A-1D5A5-A |
| B      |    | white          | sim. 9001 | D4K10A-1D5A5-B |
| C      |   | blue           | sim. 5005 | D4K10A-1D5A5-C |
| D      |  | bordeaux       | sim. 4004 | D4K10A-1D5A5-D |
| E      |  | green          | sim. 6002 | D4K10A-1D5A5-E |
| F      |  | brown          | sim. 8011 | D4K10A-1D5A5-F |
| Z      |  | waterblue      | sim. 5021 | D4K10A-1D5A5-Z |
|        |   | traffic purple | sim. 4006 | secondary lock |

**Change History**

| Rev | Date       | Change  |
|-----|------------|---|
| c01 | 23.11.2016 | Indication of the assembly instruction corrected: MA_D4V007 |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft        | Date     | Approved   | Date     | Rev. | Engineering change number | Name       | Date     |
|--------------|----------|------------|----------|------|---------------------------|------------|----------|
| M. Zebhauser | 08.12.05 | J. Schröck | 28.11.16 | c01  | 16-1967                   | R. Gnodtke | 28.11.16 |

|  |  |               |
|--|--|---------------|
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|--|--|---------------|