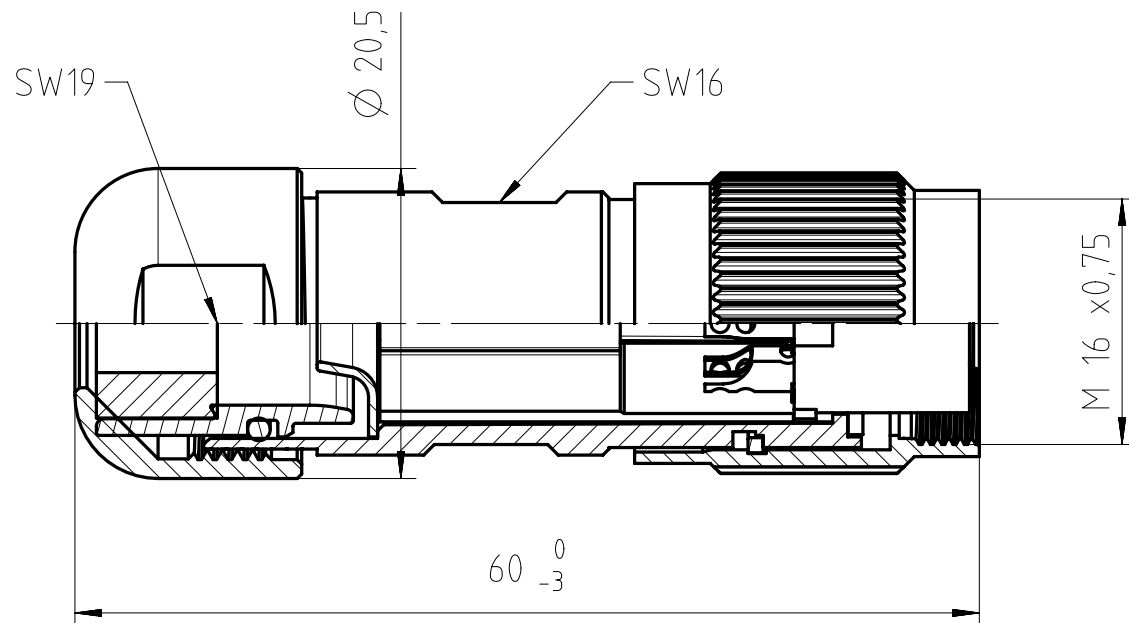


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® Assembly instruction see N 22 091 0025

|                                 |                 |                                                     |      |          |       |        |      |       |      |          |      |
|---------------------------------|-----------------|-----------------------------------------------------|------|----------|-------|--------|------|-------|------|----------|------|
| Number of contacts              | Standard        | 3                                                   | 4    | 5        | 5     | 6      | 7    | 7     | 8    | 12       | 14   |
| Contact arrangement             | IEC 61076-2-106 | 03-a                                                | 04-a | 05-a     | 05-b  | 06-a   | 07-a | 07-b  | 08-a | 12-a     | 14-a |
| Rated voltage                   | IEC 60664-1     | 150 V                                               |      | 100 V    | 32 V  | 100 V  |      | 32 V  |      |          |      |
| Rated impulse withstand voltage | IEC 60664-1     | 2500 V                                              |      | 1500 V   | 800 V | 1500 V |      | 800 V |      |          |      |
| Pollution degree                | IEC 60664-1     | 3 <sup>n</sup>                                      |      |          |       |        |      |       |      |          |      |
| Installation category           | IEC 60664-1     | III                                                 |      |          |       |        |      |       |      |          |      |
| Insulation group                | IEC 60664-1     | II                                                  |      |          |       |        |      |       |      |          |      |
| Current rating                  | IEC 60512-5-3   | 10A/+40°C                                           |      | 7A/+40°C |       |        |      |       |      | 3A/+40°C |      |
| Insulation resistance           | IEC 60512-3-1   | >10 <sup>10</sup> Ohm <sup>2)</sup>                 |      |          |       |        |      |       |      |          |      |
| Contact resistance              | IEC 60512-2-1   | <5mOhm                                              |      |          |       |        |      |       |      |          |      |
| Climatic category               | IEC 60668-1     | 40 / 100 / 21                                       |      |          |       |        |      |       |      |          |      |
| Temperatur range                |                 | -40°C...+100°C                                      |      |          |       |        |      |       |      |          |      |
| IP degree                       | ↑EC 60529       | IP 68                                               |      |          |       |        |      |       |      |          |      |
| Insertion and withdrawal force  | IEC 60512-13-2  | 25N                                                 | 30N  | 35N      | 35N   | 50N    | 55N  | 55N   | 60N  | 50N      | 50N  |
| mechanical operation            | IEC 60512-9-1   | ≥500                                                |      |          |       |        |      |       |      |          |      |
| material housing                |                 | Zinc die cast, nickel plated                        |      |          |       |        |      |       |      |          |      |
| dielectric material             |                 | Thermoplast                                         |      |          |       |        |      |       |      |          |      |
| sealing material                |                 | Chloroprene                                         |      |          |       |        |      |       |      |          |      |
| contacts                        |                 | silver or gold plated                               |      |          |       |        |      |       |      |          |      |
| termination technique           |                 | solder                                              |      |          |       |        |      |       |      |          |      |
| wire gauge                      |                 | ≤0,5mm²                                             |      |          |       |        |      |       |      | ≤0,35mm² |      |
| flamability                     |                 | UL 94 V0                                            |      |          |       |        |      |       |      |          |      |
| locking system                  |                 | metal screw coupling; tightening torque 0,5 - 0,7Nm |      |          |       |        |      |       |      |          |      |

<sup>1)</sup> under operating conditions >10<sup>8</sup> Ohm  
<sup>2)</sup> designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfilled  
Reamrk for gold plated contacts:  
In order to avoid brittle inter-metallic connections, gold plated terminals have to be tin-plated in the solder area.  
All technical data have been measured in a laboratory environment and can be different during pratical usage of the product. Any product information is for descriptive usage only and not legally binding, particularly the information does not constitute or provide any legal guaranties ("Beschaffenheitsgarantie" or "Haltbarkeitgarantie").

|                                            |                                                                     |                                               |                                             |
|--------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------|
|                                            | 14<br>(14-a)                                                        | C091 31D014 100 4 U                           | C091 31D014 200 4 U                         |
|                                            | 12<br>(12-a)                                                        | C091 31D012 100 4 U                           | C091 31D012 200 4 U                         |
|                                            | 8<br>(08-a)                                                         | C091 31D008 100 4 U                           | C091 31D008 200 4 U                         |
|                                            | 7<br>(07-b)                                                         | C091 31D107 100 4 U                           | C091 31D107 200 4 U                         |
|                                            | 7<br>(07-a)                                                         | C091 31D007 100 4 U                           | C091 31D007 200 4 U                         |
|                                            | 6<br>(06-a)                                                         | C091 31D006 100 4 U                           | C091 31D006 200 4 U                         |
|                                            | 5<br>(05-b)                                                         | C091 31D105 100 4 U                           | C091 31D105 200 4 U                         |
|                                            | 5<br>(05-a)                                                         | C091 31D005 100 4 U                           | C091 31D005 200 4 U                         |
|                                            | 4<br>(04-a)                                                         | C091 31D004 100 4 U                           | C091 31D004 200 4 U                         |
|                                            | 3<br>(03-a)                                                         | C091 31D003 100 4 U                           | C091 31D003 200 4 U                         |
| Contact arrangement<br>View on mating side | Number of contacts<br>(Contact arrangement<br>acc. IEC 61076-2-106) | Part number<br>with silver plated<br>contacts | Part number<br>with gold plated<br>contacts |

|                                  |                      |                       |            |                                     |                                                     |    |  |                  |
|----------------------------------|----------------------|-----------------------|------------|-------------------------------------|-----------------------------------------------------|----|--|------------------|
| Gewicht (errechnet) / Calc WT: g |                      | Zul. Abw./Tolerances: |            |                                     | Maßstab / Scale: 2:1                                | A3 |  |                  |
| Prüfmaß / Testdimension          |                      |                       |            |                                     | Material:<br>Oberfläche:                            |    |  |                  |
| Teileindex                       |                      |                       |            | DIN / ISO 13715                     | female cable connector<br>for cable diameters 4-6mm |    |  |                  |
| Partindexnumber                  |                      |                       |            |                                     |                                                     |    |  |                  |
|                                  |                      | 2013                  | Datum/Date | Name                                |                                                     |    |  |                  |
|                                  |                      | Gez.                  | 24.06.     | Carle                               |                                                     |    |  |                  |
|                                  |                      | Gepr.                 |            |                                     |                                                     |    |  |                  |
|                                  |                      | Checked               |            |                                     |                                                     |    |  |                  |
| 02                               | 201300837            | 04.12.13              | IM         | Amphenol-Tuchel<br>Electronics GmbH |                                                     |    |  | Blatt/Sheet<br>1 |
| 01                               | 201300382            | 02.07.13              | CM         |                                     |                                                     |    |  |                  |
| Index                            | Änderung/Description | Datum/Date            | Name       | Ers. f. / Replacement for:          |                                                     |    |  | 1 Bl.            |

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