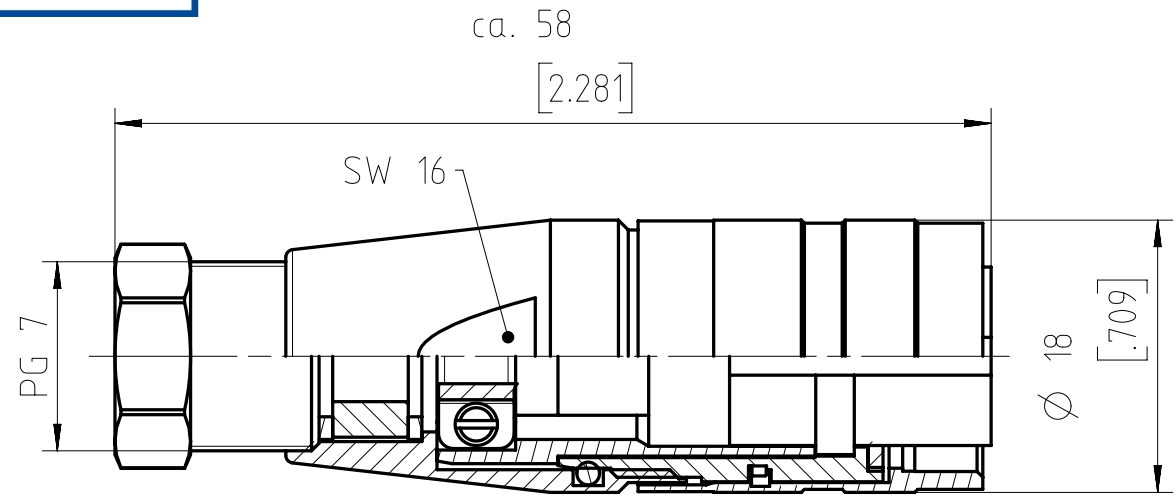


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|   |                                               |                                   |                                                                                                                                         |      |                 |                   |                   |      |                   |      |                 |                             |  |
|---|-----------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------------|-------------------|------|-------------------|------|-----------------|-----------------------------|--|
| D | Number of contacts                            | Standard                          | 3                                                                                                                                       | 4    | 5               | 5S                | 6                 | 7    | 7                 | 8    | 12              | 14                          |  |
|   | Contact arrangement                           | DIN EN 61076-2-106                | 03-a                                                                                                                                    | 04-a | 05-a            | 05-b              | 06-a              | 07-a | 07-b              | 08-a | 12-a            | 14-a                        |  |
|   | Contact arrangement                           | IEC 60130-9 <sup>1)</sup>         |                                                                                                                                         |      | -               |                   |                   | -    |                   |      | -               |                             |  |
|   | Rated voltage <sup>2)</sup>                   | IEC 60664-1                       | 300 V<br>(100 V)                                                                                                                        |      | 300 V<br>(63 V) | 100 V<br>(32 V)   | 300 V<br>(63 V)   |      | 100 V<br>(32 V)   |      | 150 V<br>(32 V) |                             |  |
| C | Rated voltage                                 | UL 1977                           | 250 V                                                                                                                                   |      |                 |                   |                   |      |                   |      |                 | 60 V                        |  |
|   | Rated impulse withstand voltage <sup>2)</sup> | IEC 60664-1                       | 1500 V<br>(840 V)                                                                                                                       |      |                 | 1200 V<br>(500 V) | 1500 V<br>(840 V) |      | 1200 V<br>(500 V) |      |                 |                             |  |
|   | Pollution degree <sup>2)</sup>                | IEC 60664-1                       | 1 (3 <sup>3)</sup> )                                                                                                                    |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Installation category                         | IEC 60664-1                       | I                                                                                                                                       |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Insulation group                              | IEC 60664-1                       | II, 400 ≤ CTI < 600                                                                                                                     |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Current rating                                | IEC 60512-5-2<br>UL 1977          | 5A/+40°C/+104°F                                                                                                                         |      |                 |                   |                   |      |                   |      |                 | 3A/+40°C/+104°F             |  |
|   | Insulation resistance                         | IEC 60512-3-1                     | >10 <sup>10</sup> Ohm <sup>4)</sup>                                                                                                     |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Contact resistance                            | IEC 60512-2-1                     | <5m Ohm                                                                                                                                 |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Climatic category                             | IEC 60668-1                       | 40 / 100 / 56                                                                                                                           |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Temperatur range                              | IEC 60668-1                       | -40°C...+100°C / -40°F...+212°F                                                                                                         |      |                 |                   |                   |      |                   |      |                 |                             |  |
| B | salt spray resistance                         | DIN IEC 60068-2-11                | 720h                                                                                                                                    |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | IP degree                                     | IEC 60529                         | IP 67 / IP 65 (in mated condition)                                                                                                      |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Insertion and withdrawal force                | IEC 60512-13-2                    | 25N                                                                                                                                     | 30N  | 35N             |                   | 50N               | 55N  |                   | 60N  | 50N             |                             |  |
|   | Mechanical operation                          | IEC 60512-9-1                     | silver ≥500 mating cycles<br>gold ≥1000 mating cycles                                                                                   |      |                 |                   |                   |      |                   |      |                 |                             |  |
| A | Housing material                              |                                   | brass and / or zinc die cast, nickel plated                                                                                             |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Dielectric material                           |                                   | thermoplastic                                                                                                                           |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Contacts                                      |                                   | silver or gold plated, please order contacts seperately acc. to drawing<br>M-N 02 015 00XX X (3-8pol) or M-N 02 010 0157 X U (12-14pol) |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | Termination technique                         |                                   | crimp                                                                                                                                   |      |                 |                   |                   |      |                   |      |                 |                             |  |
| A | Wire gauge                                    |                                   | 2-6 pol (exclusive 5S): 0,09-1,0mm² / 28-18 AWG<br>5S, 7, 7S, 8pol: 0,09-0,75mm² / 28-20 AWG                                            |      |                 |                   |                   |      |                   |      |                 | 0,09-0,25mm² /<br>28-24 AWG |  |
|   | Flamability                                   |                                   | UL 94 V0                                                                                                                                |      |                 |                   |                   |      |                   |      |                 |                             |  |
|   | locking system                                | IEC 60130-9<br>DIN EN 61076-2-106 | metal screw coupling; tightening torque 0,7Nm                                                                                           |      |                 |                   |                   |      |                   |      |                 |                             |  |

|                                            |                                                                     |                     |
|--------------------------------------------|---------------------------------------------------------------------|---------------------|
|                                            | 14<br>(14-a)                                                        | C091 11D014 000 2 U |
|                                            | 12<br>(12-a)                                                        | C091 11D012 000 2 U |
|                                            | 8<br>(08-a)                                                         | C091 11D008 000 2 U |
|                                            | 7<br>(07-b)                                                         | C091 11D107 000 2 U |
|                                            | 7<br>(07-a)                                                         | C091 11D007 000 2 U |
|                                            | 6<br>(06-a)                                                         | C091 11D006 000 2 U |
|                                            | 5<br>(05-b)                                                         | C091 11D105 000 2 U |
|                                            | 5<br>(05-a)                                                         | C091 11D005 000 2 U |
|                                            | 4<br>(04-a)                                                         | C091 11D004 000 2 U |
|                                            | 3<br>(03-a)                                                         | C091 11D003 000 2 U |
| Contact arrangement<br>View on mating side | Number of contacts<br>(Contact arrangement<br>acc. IEC 61076-2-106) | Part number         |

|                                  |                      |                                     |            |                                         |  |                     |                  |  |  |
|----------------------------------|----------------------|-------------------------------------|------------|-----------------------------------------|--|---------------------|------------------|--|--|
| Gewicht (errechnet) / Calc WT: g |                      | Zul. Abw./Tolerances:               |            | Maßstab / Scale: 2:1                    |  | A3                  |                  |  |  |
| Prüfmaß / Testdimension          |                      |                                     |            | CUSTOMER DRAWING                        |  |                     |                  |  |  |
| Teileindex                       |                      |                                     |            | Kabeldose PG7<br>female cable connector |  |                     |                  |  |  |
| Partindexnumber                  |                      |                                     |            |                                         |  |                     |                  |  |  |
|                                  |                      | 2014                                | Datum/Date | Name                                    |  |                     |                  |  |  |
|                                  |                      | Gez.                                | 25.06.     | Mohrlang                                |  |                     |                  |  |  |
|                                  |                      | Drawn                               |            |                                         |  |                     |                  |  |  |
|                                  |                      | Gepr.                               |            |                                         |  |                     |                  |  |  |
|                                  |                      | Checked                             |            |                                         |  |                     |                  |  |  |
|                                  |                      | Amphenol-Tuchel<br>Electronics GmbH |            | M                                       |  | C091 11DXXX 000 2 U | Blatt/Sheet<br>1 |  |  |
| 01                               | 2014-00467           | 25.06.14                            | IM         |                                         |  |                     | 1 Bl.            |  |  |
| Index                            | Änderung/Description | Datum/Date                          | Name       | Ers. f. / Replacement for:              |  |                     |                  |  |  |

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