



|   |                           |   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
|---|---------------------------|---|-------------------|-------------------|-------------------|--------------------------------------|-----------------|-----------------|------|------|------|--|
| 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) |                 |      |      |      |  |
| 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 (2 <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  | 10A/+40°C/+104°F  |                   | 7A/+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   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| IP degree                                     | IEC 60529                 | IP 40   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| 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   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Housing material                              |                           | brass and / or zinc die cast, nickel plated   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Dielectric material                           |                           | thermoplastic   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Contacts                                      |                           | silver or gold plated, please order contacts separately acc. to drawing<br>M-N 01 015 00XX X (3-8pol) or M-N 01 010 0158 X U (12-14pol) |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Termination technique                         |                           | solder, crimp   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Wire gauge                                    |                           | 2-6 pol (exclusive 5S): 0,09-1,0mm <sup>2</sup> / 28-18 AWG   |                   |                   |                   | 0,09-0,25mm <sup>2</sup> / 28-24 AWG |                 |                 |      |      |      |  |
| Flamability                                   |                           | UL 94 V0  |                   |                   |                   |                                      |                 |                 |      |      |      |  |

|   |  |              |
|---|--|--------------|
|   | 14<br>(14-a)   | T 3644 055 U |
|   | 12<br>(12-a)   | T 3624 055 U |
|   | 8<br>(08-a)  | T 3524 055 U |
|   | 7<br>(07-b)  | T 3444 055 U |
|   | 7<br>(07-a)  | T 3434 055 U |
|   | 6<br>(6-a)   | T 3424 055 U |
|   | 5<br>(05-b)  | T 3394 055 U |
|   | 5<br>(05-a)  | T 3374 055 U |
|   | 4<br>(04-a)  | T 3324 055 U |
|   | 3<br>(03-a)  | T 3274 055 U |
| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | Part number  |

|   |                        |                           |       |                            |
|---|------------------------|---------------------------|-------|----------------------------|
| Gewicht (errechnet) / Calc WT: 0,032 kg | Zul. Abw./Tolerances:  | Maßstab / Scale: 2:1; 1:1 | A3    |                            |
| Prüfmaß / Testdimension                 | ISO 2768-mH            | CUSTOMER DRAWING          |       |                            |
| Teileindex / Partindexnumber:           | DIN / ISO 13715        | Male cable connector      |       |                            |
| Bagatelle change:                       | Gez. 07.01.2016        | M KB T 3XX4 055 U         |       |                            |
|   | Drawn MCARLE           |                           |       |                            |
|   | Status Released        |                           |       |                            |
|   | Gepr. 07.07.2016       |                           |       |                            |
|   | Checked MGRIMM         | Blatt / Sheet 1           |       |                            |
| 02                                      | 201600320              | 07.07.2016                | RSCHA | 1 Bl.                      |
| Index                                   | Änderung / Description | Datum / Date              | Name  | Ers. f. / Replacement for: |

<sup>1)</sup> Edition 2000-05  
<sup>2)</sup> values in brackets are according to DIN EN 61076-2-106  
<sup>3)</sup> designed acc. pollution degree 2; can be used under pollution degree 3 when the rules of IEC 60664-1 are fulfilled  
<sup>4)</sup> under operating conditions >10<sup>8</sup> Ohm  
<sup>5)</sup> Remark 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 practical 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. Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground. Parts according to directive 2002/95/EG (RoHS).

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