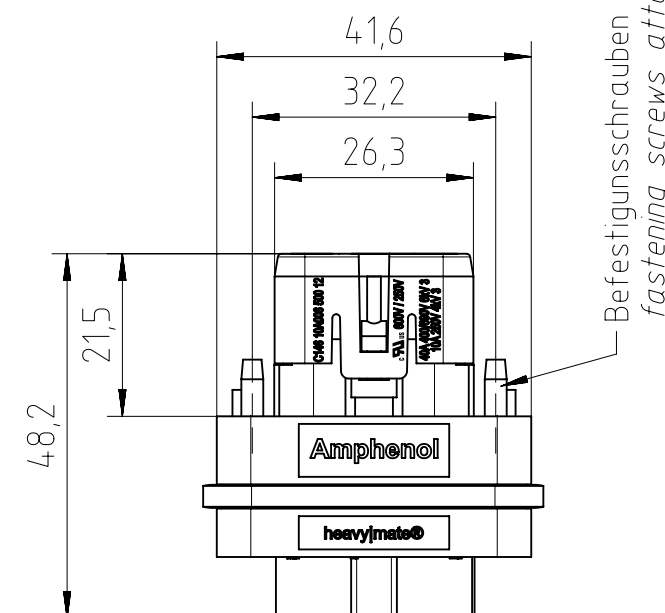
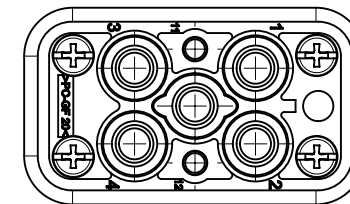


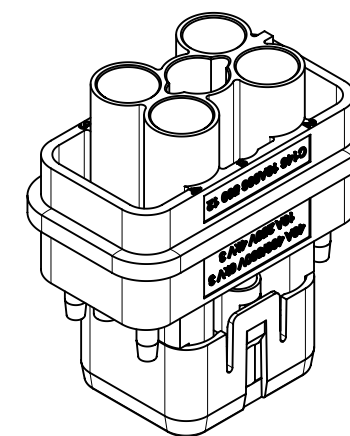
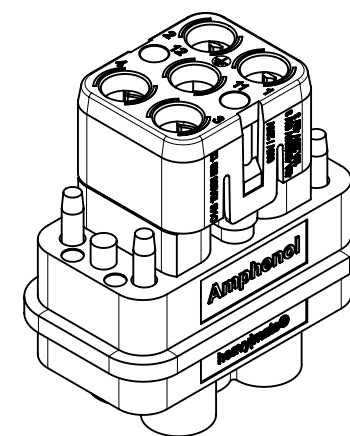
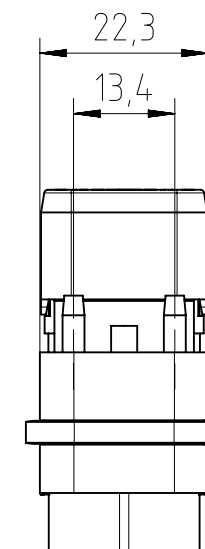
## Characteristics

| General Characteristics                | Standard        | Value                                                                              |
|----------------------------------------|-----------------|------------------------------------------------------------------------------------|
| number of contacts                     |                 | 4 / 2 + PE                                                                         |
| termination technique                  |                 | crimp                                                                              |
| wire gauge power contacts + PE         |                 | 1,5 mm <sup>2</sup> - 6 mm <sup>2</sup><br>AWG 16 - AWG 10                         |
| wire gauge signal contacts             |                 | 0,14 mm <sup>2</sup> - 2,5 mm <sup>2</sup><br>AWG 26 - AWG 14                      |
| max. insulation diameter               |                 | 5,2 mm / 3,7 mm                                                                    |
| flammability                           | UL 94           | V-0                                                                                |
| Electrical Characteristics             | Standard        | Value                                                                              |
| rated voltage                          | IEC 60664-1     | 400 V (Leiter Erde)<br>690 V (Leiter-Leiter) /<br>250 V<br>(UL/CSA: 600 V / 250 V) |
| pollution degree                       | IEC 60664-1     | 3                                                                                  |
| installation (overvoltage) category    | IEC 60664-1     | 3                                                                                  |
| material group                         | IEC 60664-1     | 3b                                                                                 |
| rated impulse withstand voltage        | IEC 60664-1     | 6 kV / 4 kV                                                                        |
| rated current $T_{amb} = 40\text{ °C}$ |                 | 40 A / 10 A                                                                        |
| current carrying capacity              | IEC 60512-5-2   | see derating curve                                                                 |
| contact resistance                     | IEC 60512-2-1   | ≤ 5 mΩ                                                                             |
| insulation resistance                  | IEC 60512-3-1   | ≥ 10 <sup>10</sup> Ω                                                               |
| Climatical Characteristics             | Standard        | Value                                                                              |
| climatic category                      | IEC 60068-1     | 40 / 125 / 10                                                                      |
| upper temperature                      | IEC 60512-11-9  | +125 °C                                                                            |
| lower temperature                      | IEC 60512-11-10 | -40 °C                                                                             |
| Mechanical Characteristics             | Standard        | Value                                                                              |
| mechanical operation                   | IEC 60512-9-1   | ≥500 mating cycles                                                                 |
| Materials                              | Standard        | Value                                                                              |
| insert                                 |                 | PC-GF                                                                              |
| contacts                               |                 | CuZn (brass)                                                                       |
| contact plating                        |                 | Ag (silver)/Au (gold)                                                              |
| color                                  |                 | grey                                                                               |

Alle technischen Daten wurden unter Laborbedingungen ermittelt und können im Praxisbetrieb abweichen.  
Es handelt sich bei den Angaben weder um Beschaffenheits- noch um Haltbarkeitsgarantien.  
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 guarantees ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").



Befestigungsschrauben lose beigelegt  
fastening screws attached loose



|                                                                                                               |                      |            |       |                                                        |            |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------|----------------------|------------|-------|--------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------|--|------------------|--|---------------------------------------------------------------------------------------|--|-------------------|--|--|--|--|--|
| Gewicht (errechnet) / Calc WT: 22 g                                                                           |                      |            |       | Zul. Abw./Tolerances:<br><br>ISO 2768-m                |            | Maßstab / Scale: 1:1                                                                                     |  | A3               |  |  |  |                   |  |  |  |  |  |
|  Prüfmaß / Testdimension |                      |            |       |                                                        |            | <br>DIN / ISO 13715 |  | CUSTOMER DRAWING |  |                                                                                       |  |                   |  |  |  |  |  |
| Teileindex / Partindexnumber:                                                                                 |                      |            |       |                                                        |            |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
| Bagatelle change:                                                                                             |                      |            |       |                                                        |            | Stifteinsatz 6-Pol<br><br>pin insert 6 pole                                                              |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
|                                                                                                               |                      |            |       | Gez.                                                   | 28.08.2017 |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
|                                                                                                               |                      |            |       | Drawn                                                  | PWOELFFLE  |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
|                                                                                                               |                      |            |       | Status                                                 | Released   |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
|                                                                                                               |                      |            |       | Gepr.                                                  | 08.09.2017 |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
|                                                                                                               |                      |            |       | Checked                                                | MGRIMM     | M C146 10A006 500 12                                                                                     |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
| <b>Amphenol Tuchel Industrial GmbH</b>                                                                        |                      |            |       |                                                        |            |                                                                                                          |  |                  |  |                                                                                       |  | Blatt/ Sheet<br>1 |  |  |  |  |  |
| 02                                                                                                            | 201700257            | 07.09.2017 | PWÖLF | 1 Bl.                                                  |            |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |
| Index                                                                                                         | Änderung/Description | Datum/Date | Name  | Ers. f. / Replacement for: M-C146 10A006 500 12 Rev.01 |            |                                                                                                          |  |                  |  |                                                                                       |  |                   |  |  |  |  |  |