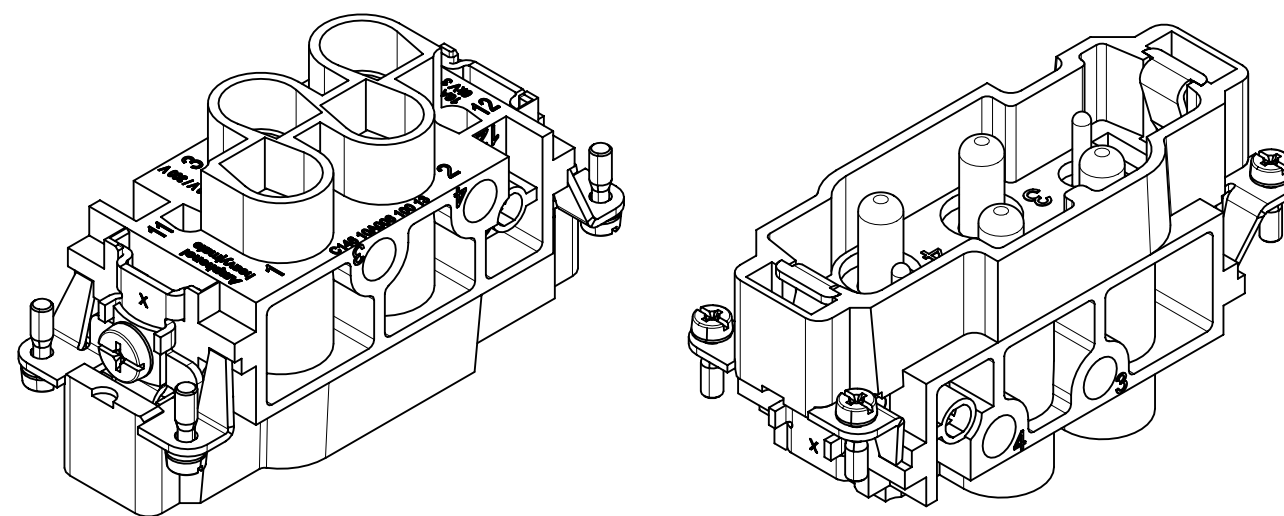
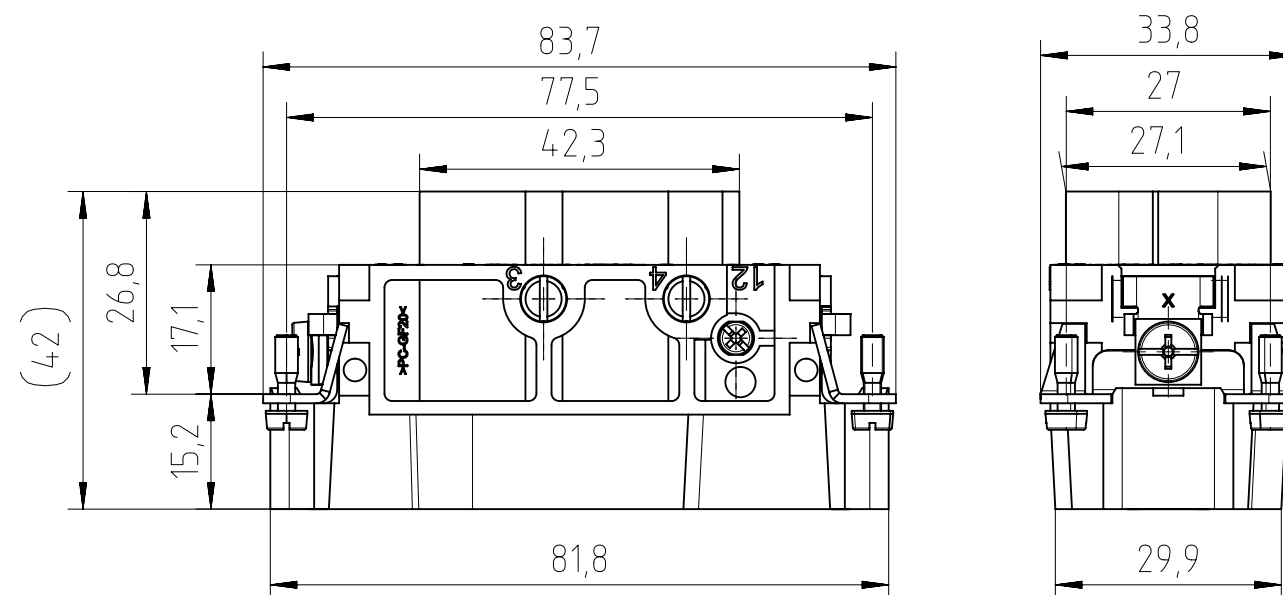
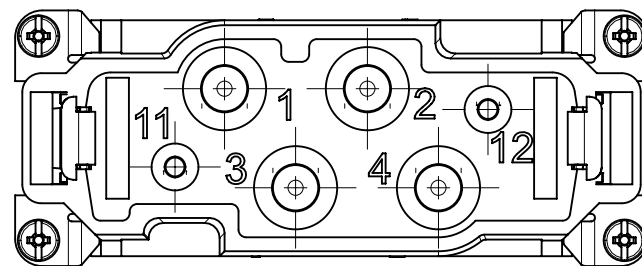




Alle technischen Daten wurden unter Laborbedingungen ermittelt und können im Praxisbetrieb abweichen.  
Es handelt sich bei den Angaben weder um Beschaffenheits- noch um Haltbarkeitsgarantien.  
All technical data have been measured in a laboratory environment and can be different during  
practical 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").

| General Characteristics                                  | Standard        | Value                                                        |
|----------------------------------------------------------|-----------------|--------------------------------------------------------------|
| number of contacts                                       |                 | 4 / 2 + PE                                                   |
| termination technique                                    |                 | screw                                                        |
| wire gauge power contacts<br>(wire sleeves recommended)  |                 | 1,5 mm <sup>2</sup> - 16 mm <sup>2</sup><br>AWG 16 - AWG 6   |
| wire gauge signal contacts<br>(wire sleeves recommended) |                 | 0,5 mm <sup>2</sup> - 2,5 mm <sup>2</sup><br>AWG 20 - AWG 14 |
| max. insulation diameter                                 |                 | 11 mm / 4,8 mm                                               |
| stripping length                                         |                 | 14 mm / 6 mm +0,5 mm                                         |
| flammability                                             | UL 94           | V-0                                                          |
| Electrical Characteristics                               | Standard        | Value                                                        |
| rated voltage                                            | IEC 60664-1     | 830 V / 400 V<br>(UL/CSA: 600 V / 300 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     | 8 kV / 6 kV                                                  |
| rated current T <sub>amb</sub> = 40 °C                   |                 | 80 A / 16 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 / 21                                                |
| 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)                                                  |
| color                                                    |                 | grey                                                         |

|                                        |                      |            |            |                                            |                                                       |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |
|----------------------------------------|----------------------|------------|------------|--------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--|----|--|---------------------------------------------------------------------------------------|--|--|--|--|--|
| Gewicht (errechnet) / Calc WT: 113,7 g |                      |            |            | Zul. Abw./Tolerances:<br><br>ISO 2768-m    |                                                       | <br>DIN / ISO<br>13715 |  | Maßstab / Scale: 1:1                        |  | A3 |  |  |  |  |  |  |  |
| Prüfmaß / Testdimension                |                      |            |            |                                            |                                                       |                                                                                                             |  | CUSTOMER DRAWING                            |  |    |  |                                                                                       |  |  |  |  |  |
| Teileindex / Partindexnumber:          |                      |            |            |                                            |                                                       |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |
| Bagatelle change:                      |                      |            |            |                                            |                                                       |                                                                                                             |  | Stifteinsatz 6-Pol<br><br>pin insert 6 pole |  |    |  |                                                                                       |  |  |  |  |  |
|                                        |                      |            |            | Gez.                                       | 18.11.2015                                            |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |
|                                        |                      |            |            | Drawn                                      | MTOLKSDORF                                            |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |
|                                        |                      |            |            | Status                                     | Released                                              |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |
|                                        |                      |            |            | Gepr.                                      | 03.01.2018                                            |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |
|                                        |                      |            |            | Checked                                    | MGRIMM                                                |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |
| 04                                     | 201700447            | 14.12.2017 | PWÖLF      | <b>Amphenol Tuchel<br/>Industrial GmbH</b> |                                                       | M C146 10A006 100 13                                                                                        |  |                                             |  |    |  | Blatt/ Sheet                                                                          |  |  |  |  |  |
| 03                                     | 201700257            | 07.09.2017 | PWÖLF      |                                            |                                                       |                                                                                                             |  |                                             |  |    |  | 1                                                                                     |  |  |  |  |  |
| 02                                     | 201500909            | 25.02.2016 | MTOLK      |                                            |                                                       |                                                                                                             |  |                                             |  |    |  | 1 Bl.                                                                                 |  |  |  |  |  |
| Index                                  | Änderung/Description |            | Datum/Date | Name                                       | Ers. f. / Replacement for: M-C146 10A006 100 13 Rev01 |                                                                                                             |  |                                             |  |    |  |                                                                                       |  |  |  |  |  |