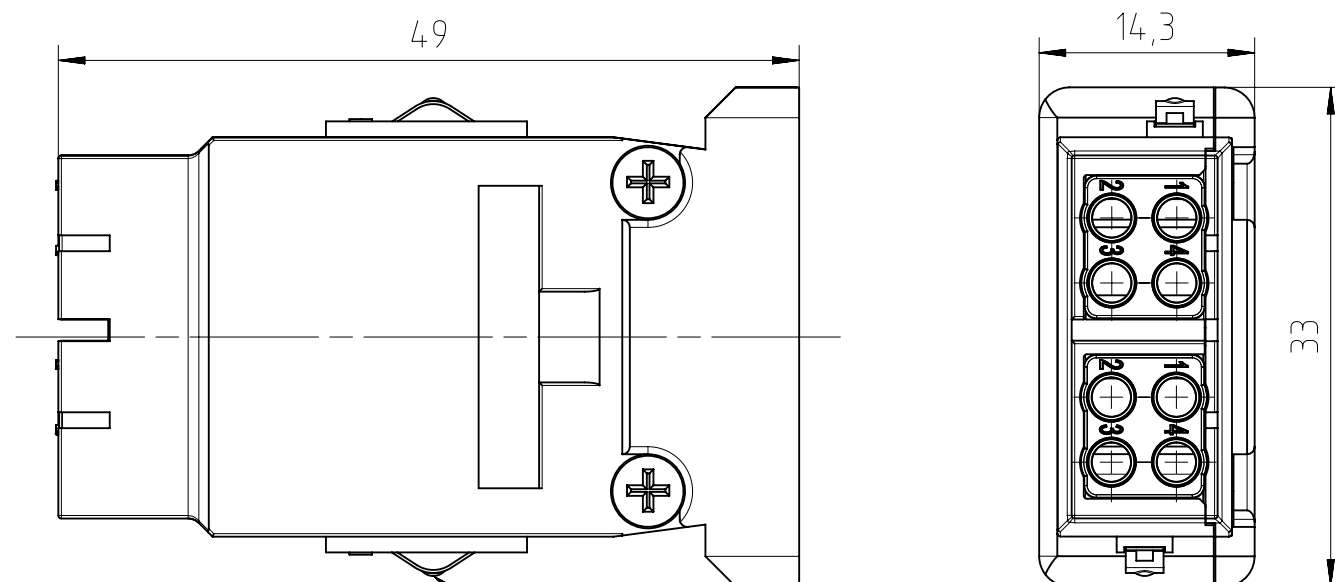
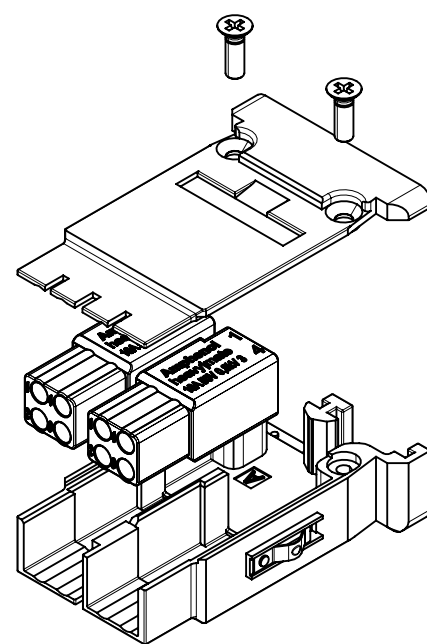


## Characteristics

| General Characteristics                | Standard                            | Value                                                         |
|----------------------------------------|-------------------------------------|---------------------------------------------------------------|
| number of contacts                     |                                     | 8                                                             |
| termination technique                  |                                     | crimp                                                         |
| wire gauge                             |                                     | 0,14 mm <sup>2</sup> - 2,5 mm <sup>2</sup><br>AWG 26 - AWG 14 |
| max. insulation diameter               |                                     | 3,2 mm                                                        |
| cable clamping range                   |                                     | 2x 5 - 12 mm                                                  |
| flammability                           | UL 94                               | V-0                                                           |
| Electrical Characteristics             | Standard                            | Value                                                         |
| rated voltage                          | IEC 60664-1                         | 50 V                                                          |
| pollution degree                       | IEC 60664-1                         | 3                                                             |
| installation (overvoltage) category    | IEC 60664-1                         | 3                                                             |
| material group                         | IEC 60664-1                         | 2                                                             |
| rated impulse withstand voltage        | IEC 60664-1                         | 0,8 kV                                                        |
| rated current $T_{amb} = 40\text{ °C}$ |                                     | 10 A                                                          |
| contact resistance                     | IEC 60512-2-1                       | $\leq 5\text{ m}\Omega$                                       |
| insulation resistance                  | IEC 60512-3-1                       | $\geq 10^{10}\text{ }\Omega$                                  |
| connector category                     | IEC 11801 /<br>ANSI/TIA/EIA-568-C.2 | Cat. 5e                                                       |
| Climatical Characteristics             | Standard                            | Value                                                         |
| climatic category                      | IEC 60068-1                         | 40 / 85 / 21                                                  |
| upper temperature                      | IEC 60512-11-9                      | +85 °C                                                        |
| lower temperature                      | IEC 60512-11-10                     | -40 °C                                                        |
| Mechanical Characteristics             | Standard                            | Value                                                         |
| mechanical operation                   | IEC 60512-9-1                       | $\geq 500$ mating cycles                                      |
| Materials                              | Standard                            | Value                                                         |
| shielding barrel                       |                                     | zinc alloy                                                    |
| insulation material                    |                                     | PC GF                                                         |
| contacts                               |                                     | CuZn (brass)                                                  |
| contact plating                        |                                     | Au (gold)                                                     |



Schirmübertragung an den Modulrahmen  
transmission of screen to the module frame



Hinweise zur Anschluss Technik  
siehe Seite 2  
remarks on the termination  
technique see page 2

passende Kabelklemmen N 16 146 002X  
suitable cable clamps see N 16 146 002X

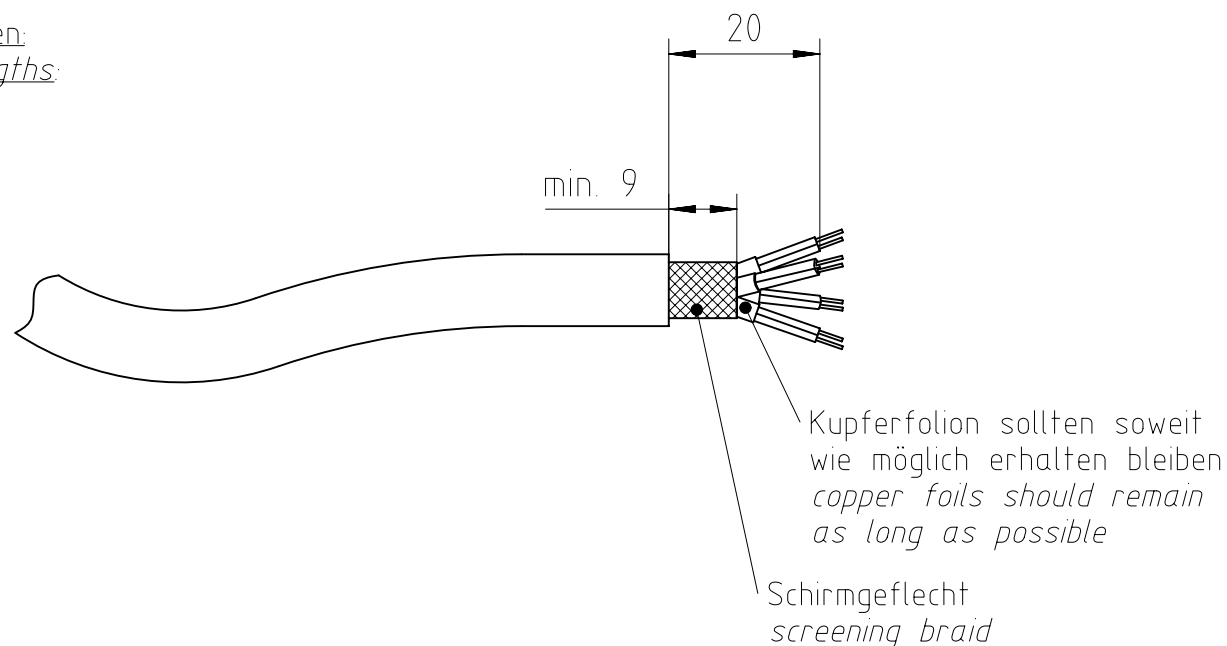
Komponenten lose verpackt im Polybeutel  
components loose in a poly bag

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").

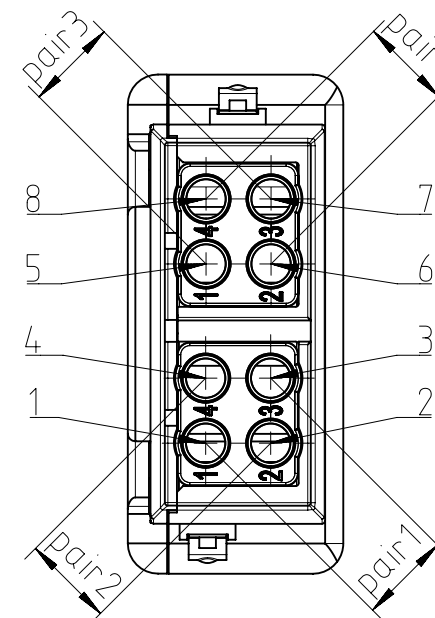
|                                       |                        |                       |       |                                    |  |                            |  |                    |  |
|---------------------------------------|------------------------|-----------------------|-------|------------------------------------|--|----------------------------|--|--------------------|--|
| Gewicht (errechnet) / Calc WT: 43,4 g |                        | Zul. Abw./Tolerances: |       | Maßstab / Scale: 2:1 (1:1)         |  | A3                         |  | CUSTOMER DRAWING   |  |
| Prüfmaß / Testdimension               |                        | ISO 2768-m            |       | DIN / ISO 13715                    |  |                            |  |                    |  |
| Teileindex / Partindexnumber:         |                        |                       |       |                                    |  |                            |  |                    |  |
| Bagatelle change:                     |                        |                       |       |                                    |  |                            |  |                    |  |
|                                       |                        | Gez. 17.05.2017       |       |                                    |  |                            |  |                    |  |
|                                       |                        | Drawn PWOELFFLE       |       |                                    |  |                            |  |                    |  |
|                                       |                        | Status Released       |       |                                    |  |                            |  |                    |  |
|                                       |                        | Gepr. 03.01.2018      |       |                                    |  |                            |  |                    |  |
|                                       |                        | Checked MGRIMM        |       |                                    |  |                            |  |                    |  |
| 03                                    | 201700447              | 15.11.2017            | PWÖLF | Amphenol Tuchel<br>Industrial GmbH |  | M C146 10B008 906 15       |  | Blatt / Sheet<br>1 |  |
| 02                                    | 201600495              | 08.09.2017            | PWÖLF |                                    |  |                            |  |                    |  |
| 01                                    | 201700210              | 19.06.2017            | PWÖLF |                                    |  |                            |  |                    |  |
| Index                                 | Änderung / Description | Datum / Date          | Name  |                                    |  | Ers. f. / Replacement for: |  | 2 Bl.              |  |

# Hinweise zur Anschlussstechnik remarks on the termination technique

Abisolierlängen:  
stripping lengths:

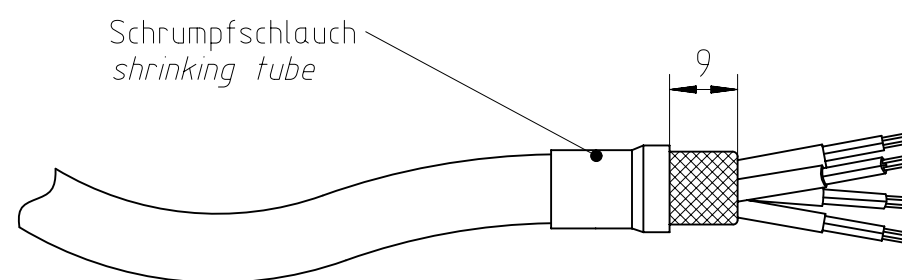


Empfohlene Ethernet Konfektionierung:  
recommended Ethernet connection:



| contact nr. | colour       |
|-------------|--------------|
| 1           | orange/white |
| 2           | green/white  |
| 3           | orange       |
| 4           | green        |
| 5           | blue/white   |
| 6           | brown/white  |
| 7           | blue         |
| 8           | brown        |

Empfehlung: Fixierung des umgeschlagenen Schirmgeflechts mit einem Schrumpfschlauch  
recommendation: fix the turned over end of the screening braid with shrinking tube



|                                       |                      |            |       |                                          |            |                                                                                                          |                             |  |    |                                                                                       |
|---------------------------------------|----------------------|------------|-------|------------------------------------------|------------|----------------------------------------------------------------------------------------------------------|-----------------------------|--|----|---------------------------------------------------------------------------------------|
| Gewicht (errechnet) / Calc WT: 43,4 g |                      |            |       | Zul. Abw./Tolerances :<br><br>ISO 2768-m |            | <br>DIN / ISO 13715 | Maßstab / Scale : 2:1 (1:1) |  | A3 |  |
| Prüfmaß / Testdimension               |                      |            |       |                                          |            |                                                                                                          | CUSTOMER SPECIFIC           |  |    |                                                                                       |
| Teileindex / Partindexnumber:         |                      |            |       |                                          |            |                                                                                                          |                             |  |    |                                                                                       |
| Bagatelle change:                     |                      |            |       |                                          |            |                                                                                                          |                             |  |    |                                                                                       |
|                                       |                      |            |       | Gez.                                     | 17.05.2017 | Buchsenkontaktträger MegaBit<br><i>socket contact carrier MegaBit</i>                                    |                             |  |    |                                                                                       |
|                                       |                      |            |       | Drawn                                    | PWOELFFLE  |                                                                                                          |                             |  |    |                                                                                       |
|                                       |                      |            |       | Status                                   | Released   |                                                                                                          |                             |  |    |                                                                                       |
|                                       |                      |            |       | Gepr.                                    | 03.01.2018 |                                                                                                          |                             |  |    |                                                                                       |
|                                       |                      |            |       | Checked                                  | MGRIMM     |                                                                                                          |                             |  |    |                                                                                       |
| 03                                    | 201700447            | 15.11.2017 | PWÖLF | Amphenol Tuchel Industrial GmbH          |            | M                                                                                                        | C146 10B008 906 15          |  |    | Blatt/She                                                                             |
| 02                                    | 201600495            | 08.09.2017 | PWÖLF |                                          |            |                                                                                                          |                             |  |    | 2                                                                                     |
| 01                                    | 201700210            | 19.06.2017 | PWÖLF |                                          |            |                                                                                                          |                             |  |    | 2 Bl                                                                                  |
| Index                                 | Änderung/Description | Datum/Date | Name  |                                          |            | Ers. f. / Replacement for :                                                                              |                             |  |    |                                                                                       |