



| Technical specification:<br><i>Technische Daten:</i>   | Data-element:<br><i>Daten-Element:</i>                                      | Power-element:<br><i>Leistungs-Element:</i> |
|--|---|---|
| No. of contacts/<br><i>Anzahl Kontakte:</i>  | 4   | 2   |
| Rated Voltage/<br><i>Bemessungsspannung:</i>   | 24 V DC   | 60 V DC                                     |
| Rated impulse voltage/<br><i>Bemessungsstoßspannung:</i>   | 1 kV  | 1,5 kV                                      |
| Current rating/<br><i>Strombelastbarkeit:</i>  | 1,5 A / 30°C  | 10 A / 30°C                                 |
| Contact resistance/<br><i>Kontaktwiderstand:</i><br>IEC 60512  | <10 mOhm  |   |
| Insulation resistance/<br><i>Isolationswiderstand:</i><br>IEC 60512  | >100 MOhm   |   |
| Impedance/<br><i>Impedanz:</i>   | 100 Ohm   |   |
| Transmission according to/<br><i>Übertragung geprüft nach:</i>   | IEC 11801 "Class D"   |   |
| Degree of protection/<br><i>Schutzart:</i><br>IEC 60529  | IP 67, in mated condition/<br><i>im verschraubten Zustand</i>               |   |
| Pollution degree/<br><i>Verschmutzungsgrad:</i><br>IEC 60664-1   | 3/2   |   |
| Temperatur range/<br><i>Umgebungstemperatur:</i><br>static / <i>fest verlegt</i><br>flexible / <i>bewegt</i> | -30°C ... +80°C<br>-10°C ... +70°C  |   |
| Mating cycles/<br><i>Steckzyklen:</i><br>IEC 60512-9a  | >=100   |   |
| <b>Materials/ Flange</b><br><b>Werkstoffe/ Flansch:</b>  |   |   |
| Contact/<br><i>Kontakt:</i>  | Cu alloy, Ni b / Au 0,2 gal./<br><i>Kupferlegierung, Ni b / Au 0,2 gal.</i> |   |
| Contact carrier/<br><i>Kontaktträger:</i>  | PA, UL 94 V-0   |   |
| Sealing/<br><i>Dichtung:</i>   | NBR   |   |
| Socket housing/<br><i>Flanschgehäuse:</i>  | CuZn, Ni  |   |
| Sealing Compound/<br><i>Verguss:</i>   | Polyurethane-resin, UL 94<br><i>Polyurethan-Harz, UL 94</i>                 |   |
| <b>Materials/ RJ45:</b><br><b>Werkstoffe:</b>  |   |   |
| Contact/<br><i>Kontakt:</i>  | CuZn, Ni / Au 0,3 gal.  |   |
| Contact carrier/<br><i>Kontaktträger:</i>  | PC, UL 94 V-0   |   |
| Shield/<br><i>Schirm</i>   | CuZn, Ni  |   |
| Moulding body/<br><i>Umspritzung:</i>  | TPU, UL 94,<br>black/ <i>schwarz</i>  |   |
| <b>Installation specification/</b><br><b>Montagedaten:</b>   |   |   |
| Installation hole/<br><i>Montagelöcher:</i>  | see Fig.1 56K1A9999/<br><i>siehe Abb.1 56K1A9999</i>                        |   |

| Contact assignment/<br><i>Kontaktbelegung:</i> |                 |                     |
|--|-----------------|---------------------|
| 1  | yellow / gelb   | AWG22 TX +          |
| 2  | white / weiß    | AWG22 RX +          |
| 3  | blue / blau     | AWG22 RX -          |
| 4  | orange / orange | AWG22 TX -          |
| shielding / <i>Schirmung</i>                   |                 |                     |
| 5  | red / rot       | 0,75mm <sup>2</sup> |
| 6  | blue / blau     | 0,75mm <sup>2</sup> |

| Part no./<br><i>Art.-Nr.:</i> | Description/<br><i>Bezeichnung:</i>                                     | Length L1/<br><i>Länge L1:</i> | Length L2/<br><i>Länge L2:</i> | Cable/<br><i>Kabel:</i>                                     | Type/<br><i>Typ:</i>   |
|-------------------------------|---|--------------------------------|--------------------------------|---|--|
| 56-02174                      | ENP - 12 - 1 - FSV1Pbu2Dst4 - 45S - RS8.33 - 0,5 / 0,5 / G6 / 075 / 034 | 0,5m                           | 0,5m                           | Cable/ <i>Kabel</i><br>PUR<br>(4xAWG22)<br>781-C63400       | Contact/ Site A/<br><i>Kontakte Seite A:</i><br>Female/ <i>Buchse</i> (Power)<br>Male/ <i>Stift</i> (Data) |
| 56-02175                      | ENP - 12 - 1 - FSV1Pbu2Dst4 - 45S - RS8.33 - 1 / 1 / G6 / 075 / 034     | 1m                             | 1m                             |   |  |
| 56-02176                      | ENP - 12 - 1 - FSV1Pbu2Dst4 - 45S - RS8.33 - 2 / 2 / G6 / 075 / 034     | 2m                             | 2m                             | Wires/ <i>Litzen</i><br>PPE, UL<br>(2x0,75mm <sup>2</sup> ) | Site/ <i>Seite B</i><br>RJ45 Male/ <i>Stecker</i>  |
| 56-xxxx                       | ENP - 12 - 1 - FSV1Pbu2Dst4 - 45S - RS8.33 - ... / ... / G6 / 075 / 034 | x                              | x                              |   |  |

|  |   |                                     |   |   |
|--|---|-------------------------------------|---|---|
| tolerance of cable/ wire<br><i>Kabel- Litzen toleranz:</i> | L <= 4m: L + 40mm<br>L > 4m: L + 1%                     | dim. in mm                          | Receptacle B12, with square,<br>Coding 1<br><i>Flansch B12, Vierkant,<br/>Codierung 1</i> |   |
| general tolerance/<br><i>Allgemeintoleranz:</i>            | 0 ± 0,50mm<br>0,0 ± 0,25mm<br>0,00 ± 0,10mm<br>x ± 1,5° |                                     |   |   |
| Index: a Original  | scale/ <i>Maßstab:</i><br>1,5:1<br>(1:1 ; 2:1)          | Date/ <i>Datum:</i><br>09.11.2016   | Name:<br>Böckeler   | dwg no /<br><i>Z.-nr.:</i><br>56K1A1058 |
| Status: InBearbeitung                                      |   | drawn/<br><i>gez.</i><br>09.11.2016 | Schramm   |   |
| RoHS & REACH compliant/ <i>konform</i>                     |   | CONEC®                              |   | DIN-A3<br>1 / 1                         |

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