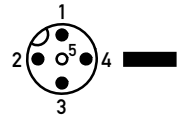
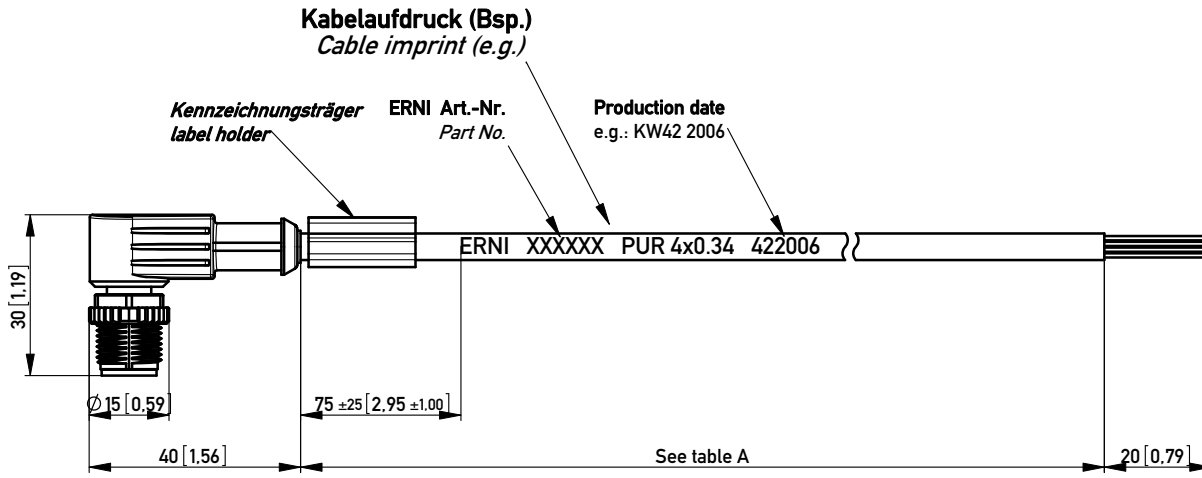


**TECHNISCHE SKIZZE / Technical sketch**

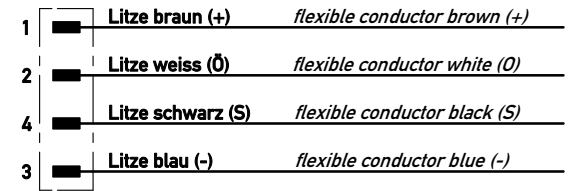


**Ansicht: Steckgesicht; Kontaktbelegung / View: mating face; pin assignment**

**BAUTEILE / FERTIGUNGSHINWEISE  
Piece parts / Manufacturing notices**

- Kabelaufdruck mittels Tintenstrahldrucker entspr. Techn. Skizze  
Cable imprint with ink-jet printer see technical sketch
- Gute Chemikalien- und Ölbeständigkeit (Ölbeständigkeit gilt nicht für den Einsatz mit PVC-Kabel). Beim Einsatz aggressiver Medien ist die Materialbeständigkeit applikationsbezogen zu überprüfen.  
Good chemical and oil resistance (parts with PVC-cable are not resistant). When using aggressive media, material resistance based on application must be checked.

**STROMLAUFPLAN / Schematic diagram**



**SPECIFICATIONS Circular Connector**

| Technical Specifications                 | Standard applic.     | Value                                      | Electrical Data                  | Standard applic.             | Value       |
|------------------------------------------|----------------------|--------------------------------------------|----------------------------------|------------------------------|-------------|
| Housing:                                 |                      | M12 male, angled, black - open end of line | Rated (nominal) voltage; max.    | IEC 61-076-2-101             | 250 V AC/DC |
| Pin assignment:                          |                      | 4 pin                                      | Rated current; per contact, max. | IEC 61-076-2-101             | 4 A         |
| Coding:                                  |                      | A-coding                                   | Rated impulse voltage            | IEC 61-076-2-101             | 2.5 kV      |
| Connection:                              |                      | M12x1mm (0.6 Nm)                           | <b>Approvals</b>                 |                              |             |
| LED:                                     |                      | -                                          | Protection class                 | (mated and locked) IEC 60529 | IP67        |
| Packaging:                               |                      | 1 piece per bag                            | Pollution degree                 |                              | 3           |
| <b>Materials &amp; Finish</b>            |                      |                                            | Insulation category              | IEC 60664-1                  | I           |
| Contact material:                        |                      |                                            | RoHS compliant                   |                              | Yes         |
| a) male                                  | Standard description | CuZn39Pb3F50                               |                                  |                              |             |
| b) female                                | Standard description | -                                          |                                  |                              |             |
| Contact finish, mating zone:             |                      |                                            |                                  |                              |             |
| a) male                                  | Thickness of plating | 0.5 µm Au over 2 µm Ni                     |                                  |                              |             |
| b) female                                | Thickness of plating | -                                          |                                  |                              |             |
| Screw material:                          | Standard description | Zinc pressure die casting                  |                                  |                              |             |
| Screw plating:                           | Standard description | Ni 4-6 µm                                  |                                  |                              |             |
| <b>Cable (additional info see table)</b> |                      |                                            |                                  |                              |             |
| Jacket color                             |                      | black                                      |                                  |                              |             |
| Conductor cross-section                  |                      | 4 x 0.34 mm <sup>2</sup>                   |                                  |                              |             |
| Bending radius min.                      |                      | 10 x jacket diameter                       |                                  |                              |             |

| Artikel-Nr.<br>Part No. | Leitungslänge (A)<br>Cable length (A) | Kupfergewicht<br>Copper weight | Kabelmantel<br>Jacket material | Außendurchmesser<br>Jacket diameter | Aderisolation<br>Wire isolation | Zul. Temp.-Bereich<br>für Kabel<br>Permissible temp.<br>for cable |
|-------------------------|---------------------------------------|--------------------------------|--------------------------------|-------------------------------------|---------------------------------|-------------------------------------------------------------------|
|                         | 1.500 +100 mm [59.05 +4 in]           | 23 g                           | PVC                            | 5.2 mm ±5%<br>[0.205 in ±5%]        | PVC                             | -5... +70 °C                                                      |
| 223782                  | 3.000 +100 mm [59.05 +4 in]           | 45 g                           |                                |                                     |                                 |                                                                   |
|                         | 5.000 +100 mm [196.85 +4 in]          | 74 g                           |                                |                                     |                                 |                                                                   |
|                         | 7.500 +100 mm [295.28 +4 in]          | 109 g                          |                                |                                     |                                 |                                                                   |
|                         | 10.000 +100 mm [393.70 +4 in]         | 146 g                          |                                |                                     |                                 |                                                                   |

|                                                                                  |                                                                                                                                                              |              |                                                                            |                                      |             |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------|--------------------------------------|-------------|
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|                                                                                  | All rights reserved. Only for Information. To ensure that this is the latest version of this drawing, please contact one of the ERNI companies before using. |              | Subject to modification without prior notice. Drawing will not be updated. |                                      | Designation |
|                                                                                  |                                                                                                                                                              |              |                                                                            | CCCS M12, 4pin / pigtail<br>A-coding |             |
|                                                                                  |                                                                                                                                                              | www.ERNI.com |                                                                            | 224903                               |             |
| -                                                                                | 24.05.2007                                                                                                                                                   |              |                                                                            | I                                    |             |
| Index                                                                            | Date                                                                                                                                                         |              |                                                                            | A3                                   |             |
|                                                                                  |                                                                                                                                                              |              |                                                                            | Class                                | CCCS        |