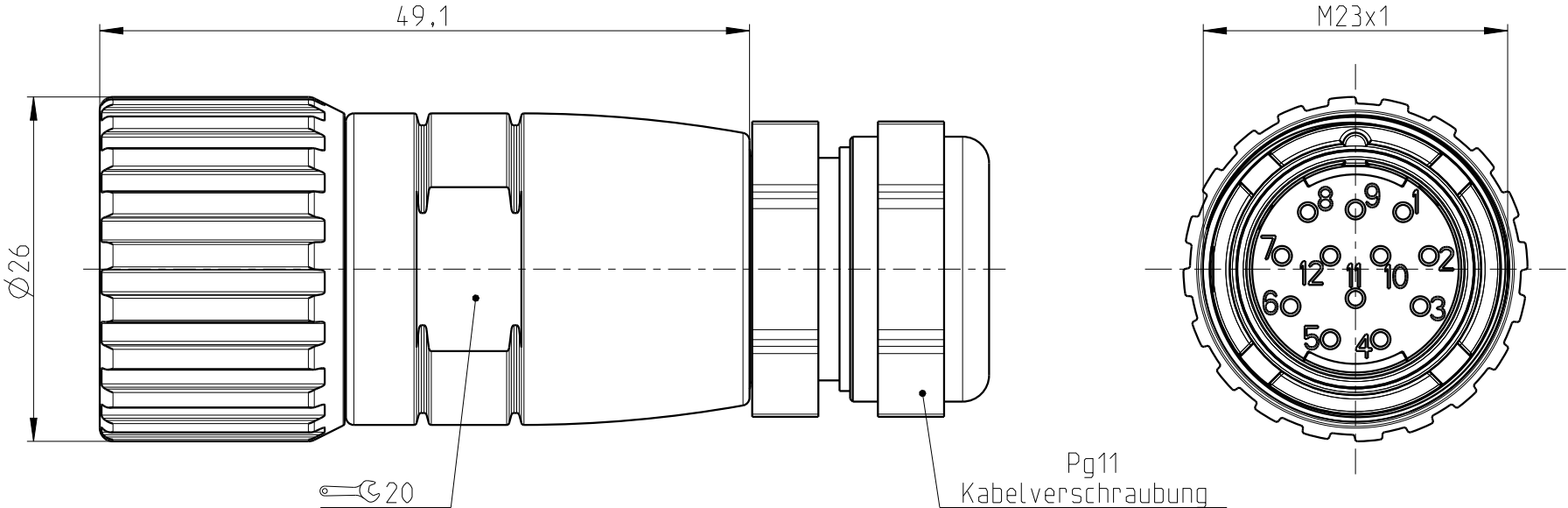




Die angegebenen elektrischen und mechanischen Daten setzen ein korrekt verriegeltes Steckverbinderpaar voraus. Ist der Steckverbinder unverriegelt und besteht die Gefahr von Verschmutzung, so ist der Steckverbinder durch eine Schutzkappe  $\geq$  IP54 zu verschließen.

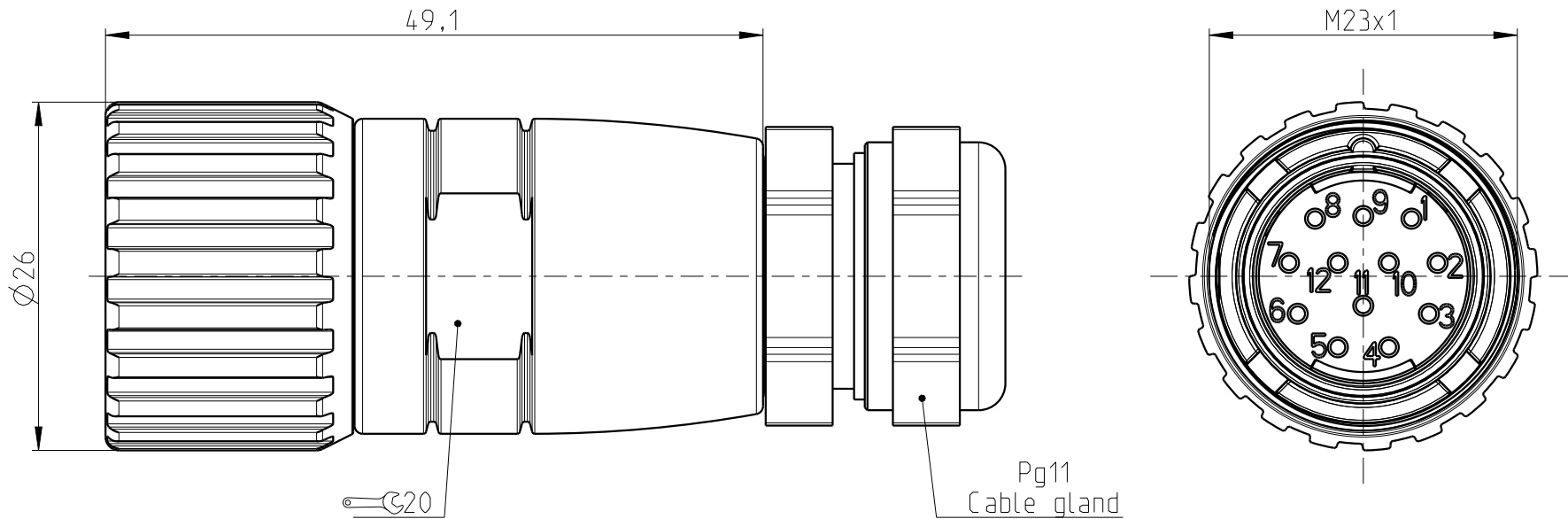
| Elektrische Daten                            |                                      |            |           |                                                                                       |            |           |                                                                               |  |                              |                     |                    |  |
|----------------------------------------------|--------------------------------------|------------|-----------|---------------------------------------------------------------------------------------|------------|-----------|-------------------------------------------------------------------------------|--|------------------------------|---------------------|--------------------|--|
| Bemessungsstrom bei max. Anschlußquerschnitt |                                      |            |           | 1mm Kontakt max. 8A bei 1,0mm <sup>2</sup><br>Tu = 25 °C                              |            |           | Überspannungs-kategorie                                                       |  | III nach DIN EN 60664-1:2008 |                     |                    |  |
|                                              |                                      |            |           |                                                                                       |            |           | Aufstellhöhe                                                                  |  | bis 2000m                    |                     |                    |  |
| Bemessungsspannung                           |                                      |            |           | 48V AC / 74V DC nach DIN EN 60664-1:2008                                              |            |           | Durchgangswiderstand                                                          |  | <3mΩ                         |                     |                    |  |
| Bemessungsstoßspannung                       |                                      |            |           | 1500V nach DIN EN 60664-1:2008                                                        |            |           | Verschmutzungsgrad                                                            |  | 3 nach DIN EN 61984:2009     |                     |                    |  |
|                                              |                                      |            |           |                                                                                       |            |           | Technische Änderung vorbehalten                                               |  |                              | Maßstab:<br><br>2:1 |                    |  |
|                                              |                                      |            |           |                                                                                       |            |           |                                                                               |  |                              |                     |                    |  |
|                                              |                                      |            |           |                                                                                       |            |           |                                                                               |  |                              |                     |                    |  |
|                                              |                                      |            |           |                                                                                       | Datum      | Name      | Benennung:<br>Serie RC<br>Kabelsteckverbinder Bauform 1K<br>gerade Ausführung |  |                              |                     |                    |  |
|                                              |                                      |            |           | Bearb.                                                                                | 2010-04-08 | Scheremet |                                                                               |  |                              |                     |                    |  |
|                                              |                                      |            |           | Gepr.                                                                                 |            |           |                                                                               |  |                              |                     |                    |  |
| 3                                            | Mech./ Elekt. Daten<br>angepasst     | 2021-09-29 | Kraut     |                                                                                       |            |           | Zeichnungsnummer:<br>RC-12S2N121K00X                                          |  |                              |                     |                    |  |
| 2                                            | Zg. überarbeitet                     | 2012-01-30 | Scheremet |  |            |           |                                                                               |  |                              |                     | Blatt: 1<br>von: 2 |  |
| 1                                            | 27/04/10-1 elektr. Daten<br>geändert | 2010-04-27 | Jockovic  |                                                                                       |            |           |                                                                               |  |                              |                     |                    |  |
| Aus-gabe                                     | Änderung                             | Datum      | Name      |                                                                                       |            |           | Artikel-Nr.: 1241106                                                          |  |                              |                     |                    |  |



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The specified electrical and mechanical data require a correctly locked pair of connectors. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap  $\geq$  IP54.

### Electrical Data

|                                     |                                                                        |                        |                                  |
|-------------------------------------|------------------------------------------------------------------------|------------------------|----------------------------------|
| Rated current at max. cross section | 1mm Contact max. 8A at cross section 1.0mm <sup>2</sup><br>Tamb = 25°C | Surge voltage category | III according to EN 60664-1:2008 |
|                                     |                                                                        | Installation height    | up to 2000m                      |
| Rated voltage                       | 48V AC / 74V DC acc. to EN 60664-1:2008                                | Contact resistance     | <3mΩ                             |
| Rated surge voltage                 | 1500V acc. to EN 60664-1:2008                                          | Degree of pollution    | 3 acc. to EN 61984:2009          |

### Mechanical Data

|                                        |                    |                     |            |                                         |      |                                                                                       |                            |                                                                           |                  |           |
|----------------------------------------|--------------------|---------------------|------------|-----------------------------------------|------|---------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------|------------------|-----------|
| Number of pos./ Contact style          | 12 / Socket        | Rated voltage       |            | 48V AC / 74V DC acc. to EN 60664-1:2008 |      |                                                                                       | Contact resistance         | <3mΩ                                                                      |                  |           |
| Contact termination                    | solder             | Rated surge voltage |            | 1500V acc. to EN 60664-1:2008           |      |                                                                                       | Degree of pollution        | 3 acc. to EN 61984:2009                                                   |                  |           |
| Contact-Ø                              | 12x1mm             |                     |            |                                         |      |                                                                                       | technical changes reserved |                                                                           | scale:<br>2:1    |           |
| Temperature range                      | -40 °C / +80 °C    |                     |            |                                         |      |                                                                                       |                            |                                                                           |                  |           |
| Degree of protection                   | IP 68, when locked |                     |            |                                         |      |                                                                                       |                            | description:<br>Series RC<br>Cable connector Style 1K<br>Straight version |                  |           |
| Mechanical insertion/withdrawal cycles | 100                |                     |            |                                         |      | design                                                                                | 2010-04-08                 |                                                                           |                  | Scheremet |
| Labeling                               | PHONIX CONTACT     |                     |            |                                         |      | chk.                                                                                  |                            |                                                                           |                  |           |
| Material                               |                    |                     |            |                                         |      |  | drawing no.:               |                                                                           | page: 2<br>of: 2 |           |
| Housing                                | GD-Zn / CuZn Ni    |                     |            |                                         |      |                                                                                       | RC-12S2N121K00X            |                                                                           |                  |           |
| Insulating body                        | PBT / UL 94 V0     |                     | see page 1 |                                         |      |                                                                                       | order-no.: 1241106         |                                                                           |                  |           |
| Contacts                               | CuZn, gold plated  | edition             | changes    | date                                    | name |                                                                                       |                            |                                                                           |                  |           |
| Seal                                   | FKM / TPE / KVP    |                     |            |                                         |      |                                                                                       |                            |                                                                           |                  |           |