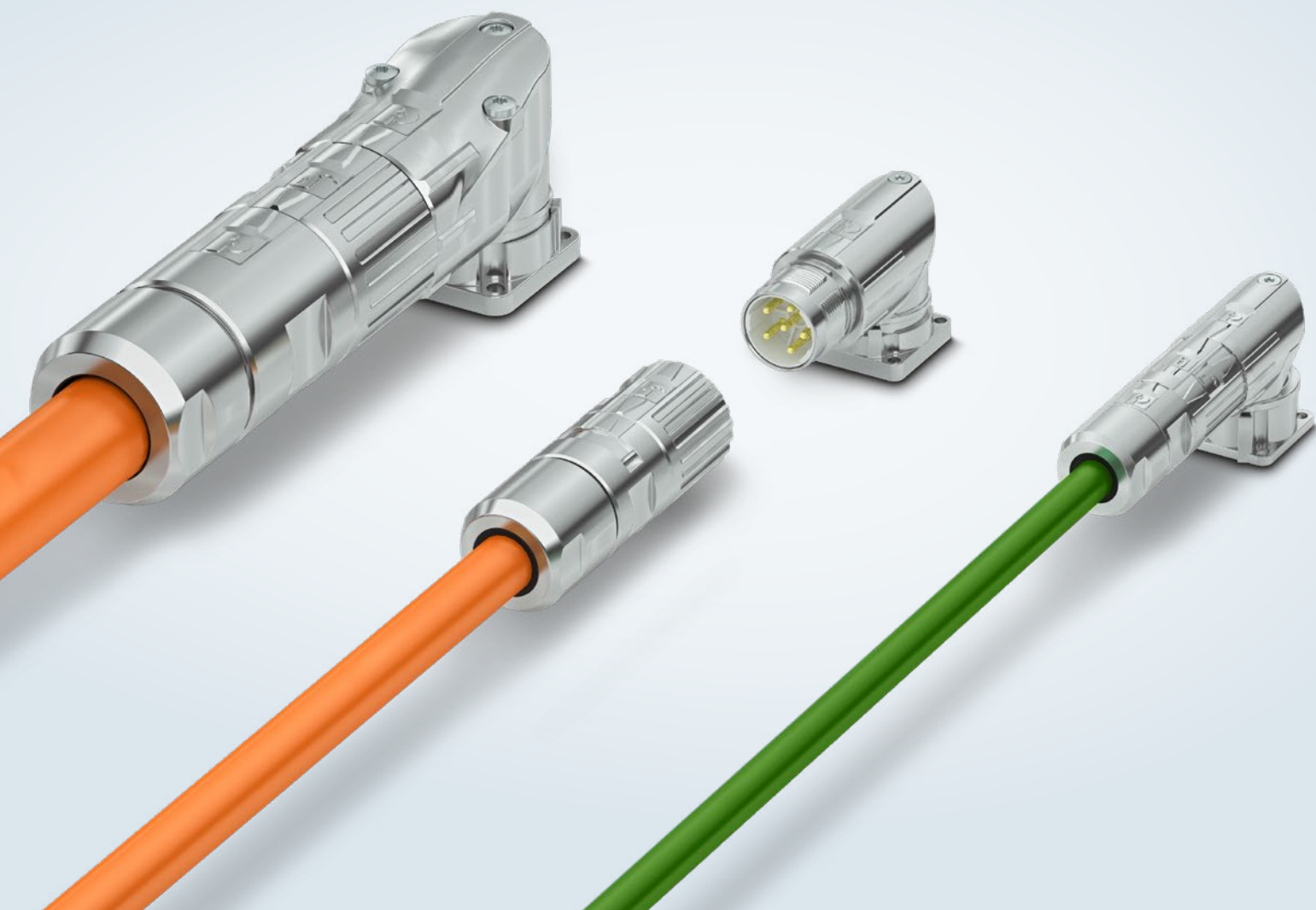




# M17 to M40 PRO circular connectors

Product overview 2024

# Cross-manufacturer compatible connectors – M17 to M40 PRO

Cross-manufacturer compatible: signal and power connectors from the M17 to M40 PRO series offer consistent solutions for signal and power transmission. With the unique ONECLICK fast-locking system, you can connect your device quickly and securely.



**i** Web code:  
#2054

## Sustainable and future-proof

Phoenix Contact is empowering sustainable products and already offers a comprehensive portfolio which is produced in accordance with future EU directives, with a reduced lead content below 0.1%. This corresponds to RoHS II without Exemption 6c.

You will find items that comply with the future EU directive and have a maximum lead content of 0.1% on our website via the standard item, using the filter “Lead content (EU-RoHS) – lead-free (Pb < 0.1%)”, or by entering the respective web code in the search field.

**i** Web code: #2904

new

RoHS

Pb < 0,1%



**i** Web code:  
#2904

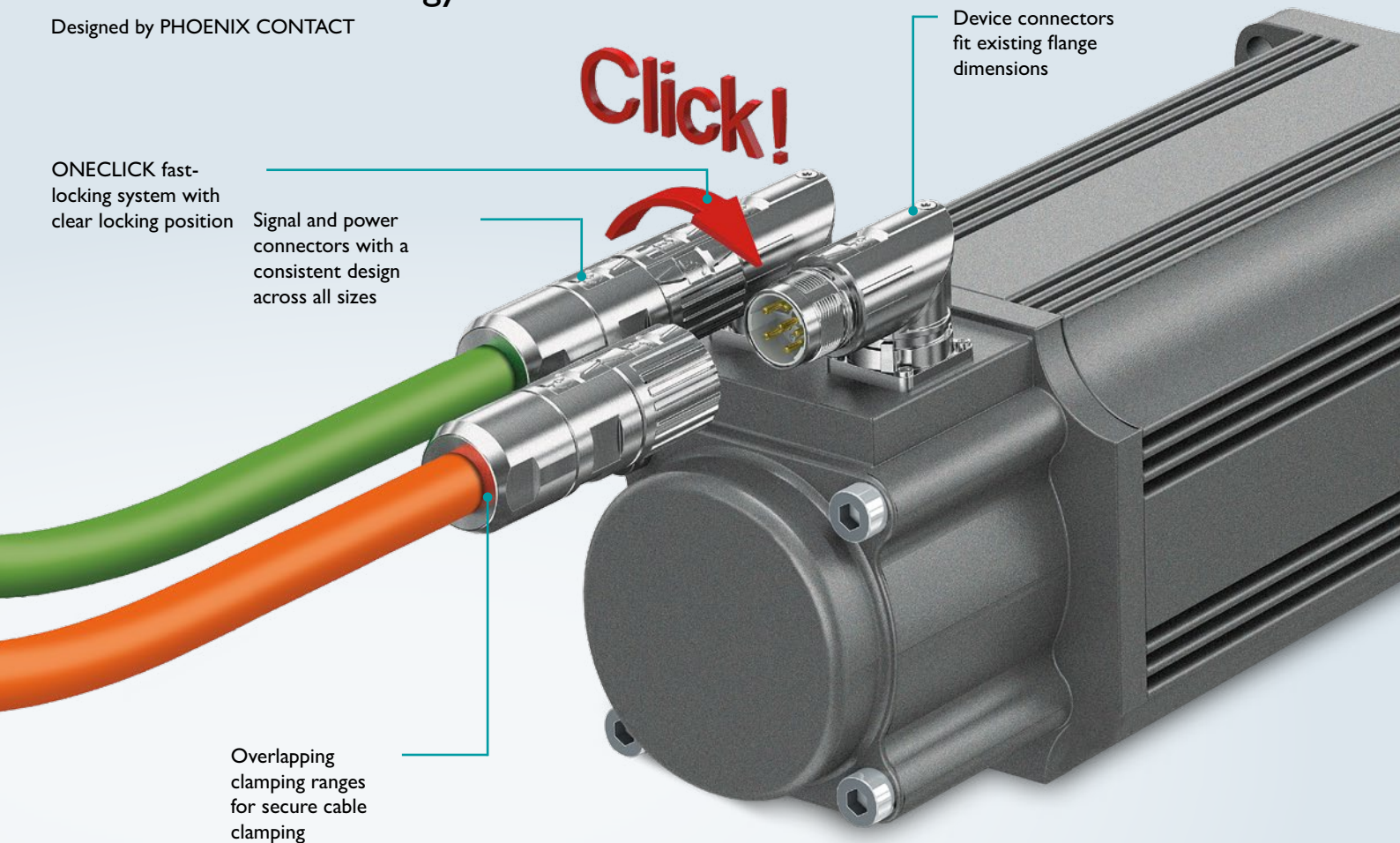


### Secure locking

ONECLICK fast-locking system with an optically, haptically, and acoustically clear locking position

# ONECLICK Technology<sup>®</sup>

Designed by PHOENIX CONTACT



ONECLICK fast-locking system with clear locking position

Signal and power connectors with a consistent design across all sizes

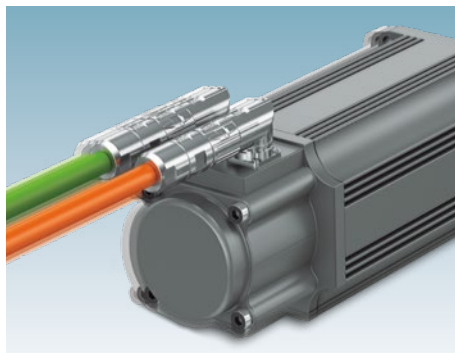
Device connectors fit existing flange dimensions

Overlapping clamping ranges for secure cable clamping



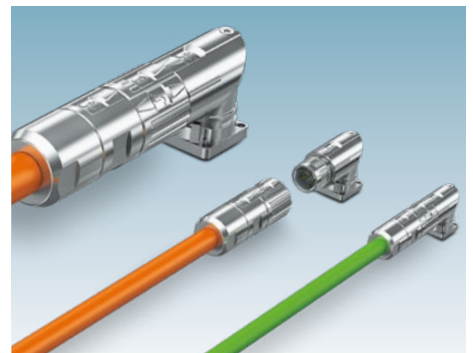
## Designed for easy assembly

Easy and reliable shield connection for cost-effective cable assembly



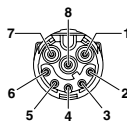
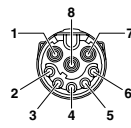
## Vibration-resistant connection

Vibration brake in the cable connector for reliable connection under the harshest conditions



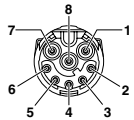
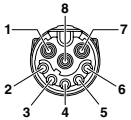
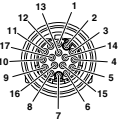
## Consistent design

Modern, consistent design for highly convenient operation

| M17 PRO series                                                                                                                                                                                                                                                      |                                                                  |             | 8-pos.                                                                              |                                                                                     | 17-pos.                                                                             |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| <div><div><div><div><div></div><div></div></div><div>Web code: #2068</div></div><div><div>new</div></div><div><div>RoHS</div></div><div><div>Pb &lt; 0,1%</div></div><div><div>Items are lead-free</div><div>(RoHS II without Exemption 6c)</div></div></div></div> | Connection method                                                |             | Crimp                                                                               |                                                                                     | Crimp                                                                               |         |
|                                                                                                                                                                                                                                                                     | Rated voltage [V AC/DC]                                          |             | 60                                                                                  |                                                                                     | 60                                                                                  |         |
|                                                                                                                                                                                                                                                                     | Rated current <sup>1)</sup> [A]                                  |             | 8                                                                                   |                                                                                     | 3.6                                                                                 |         |
|                                                                                                                                                                                                                                                                     | Number of contacts/diameter [mm]                                 |             | 8 x 1.0                                                                             |                                                                                     | 17 x 0.6                                                                            |         |
|                                                                                                                                                                                                                                                                     | Litz wire cross-sections [mm²]                                   |             | 0.06 ... 1.0                                                                        |                                                                                     | 0.06 ... 0.5                                                                        |         |
|                                                                                                                                                                                                                                                                     | Pin assignment                                                   |             | Male                                                                                | Female                                                                              | Male                                                                                | Female  |
|                                                                                                                                                                                   |                                                                  |             |  |  |  |         |
| Cable connectors, ONECLICK fast-locking system                                                                                                                                                                                                                      |                                                                  |             |                                                                                     |                                                                                     |                                                                                     |         |
|                                                                                                                                                                                    | Cable clamping range [mm]                                        | 3.5 ... 6.5 | 1629016                                                                             | 1629013                                                                             | 1629010                                                                             | 1629007 |
|                                                                                                                                                                                                                                                                     |                                                                  | 5.5 ... 9.5 | 1629015                                                                             | 1629012                                                                             | 1629009                                                                             | 1629006 |
|                                                                                                                                                                                                                                                                     |                                                                  | 8.5 ... 12  | 1629014                                                                             | 1629011                                                                             | 1629008                                                                             | 1629005 |
| ONECLICK Technology <sup>®</sup><br>Designed by PHOENIX CONTACT                                                                                                                                                                                                     |                                                                  |             |                                                                                     |                                                                                     |                                                                                     |         |
| Cable connectors, standard locking                                                                                                                                                                                                                                  |                                                                  |             |                                                                                     |                                                                                     |                                                                                     |         |
|                                                                                                                                                                                    | Cable clamping range [mm]                                        | 3.5 ... 6.5 | 1629058                                                                             | 1629055                                                                             | 1629052                                                                             | 1629049 |
|                                                                                                                                                                                                                                                                     |                                                                  | 5.5 ... 9.5 | 1629057                                                                             | 1629054                                                                             | 1629051                                                                             | 1629048 |
|                                                                                                                                                                                                                                                                     |                                                                  | 8.5 ... 12  | 1629056                                                                             | 1629053                                                                             | 1629050                                                                             | 1629047 |
| Coupler connectors                                                                                                                                                                                                                                                  |                                                                  |             |                                                                                     |                                                                                     |                                                                                     |         |
|                                                                                                                                                                                   | Cable clamping range [mm]                                        | 3.5 ... 6.5 | 1628974                                                                             | 1628971                                                                             | 1628968                                                                             | 1628965 |
|                                                                                                                                                                                                                                                                     |                                                                  | 5.5 ... 9.5 | 1628973                                                                             | 1628970                                                                             | 1628967                                                                             | 1628964 |
|                                                                                                                                                                                                                                                                     |                                                                  | 8.5 ... 12  | 1628972                                                                             | 1628969                                                                             | 1628966                                                                             | 1628963 |
| Device connectors, front mounting                                                                                                                                                                                                                                   |                                                                  |             |                                                                                     |                                                                                     |                                                                                     |         |
|                                                                                                                                                                                  | Flange dimensions: 26 mm x 26 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1628932                                                                             | 1628931                                                                             | 1628928                                                                             | 1628927 |
|                                                                                                                                                                                                                                                                     | Flange dimensions: 28 mm x 28 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1628930                                                                             | 1628929                                                                             | 1628926                                                                             | 1628925 |
| Device connectors, angled, rotatable, front mounting                                                                                                                                                                                                                |                                                                  |             |                                                                                     |                                                                                     |                                                                                     |         |
|                                                                                                                                                                                  | Flange dimensions: 26 mm x 26 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1628527                                                                             | 1628526                                                                             | 1628523                                                                             | 1628522 |
|                                                                                                                                                                                                                                                                     | Flange dimensions: 28 mm x 28 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1628525                                                                             | 1628524                                                                             | 1628521                                                                             | 1628520 |

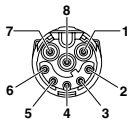
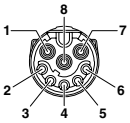
<sup>1)</sup> Rated current for maximum connection cross-section.

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing. Please order crimp contacts separately, see table on the right.

| M17 PRO series crimp contacts                                                     |                                  |                                                                                   |                                                                                     | 8-pos.                                                                              |                                                                                     | 17-pos. |         |
|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|---------|
| <div>RoHS</div> <div>Lead-free crimp contacts available, see below</div>          | Connection method                |                                                                                   | Crimp                                                                               |                                                                                     | Crimp                                                                               |         |         |
|                                                                                   | Rated voltage [V AC/DC]          |                                                                                   | 60                                                                                  |                                                                                     | 60                                                                                  |         |         |
|                                                                                   | Rated current <sup>1)</sup> [A]  |                                                                                   | 8                                                                                   |                                                                                     | 3.6                                                                                 |         |         |
|                                                                                   | Number of contacts/diameter [mm] |                                                                                   | 8 x 1.0                                                                             |                                                                                     | 17 x 0.6                                                                            |         |         |
|                                                                                   | Litz wire cross-sections [mm²]   |                                                                                   | 0.06 ... 1.0                                                                        |                                                                                     | 0.06 ... 0.5                                                                        |         |         |
|                                                                                   | Pin assignment                   |                                                                                   | Male                                                                                | Female                                                                              | Male                                                                                | Female  |         |
|                                                                                   |                                  |  |  |  |  |         |         |
| Crimp contacts, turned, Ø 0.6 mm                                                  |                                  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |         |         |
|  |                                  | Crimp range [mm²]                                                                 | 0.06 ... 0.25                                                                       | —                                                                                   | —                                                                                   | 1607577 | 1607580 |
|                                                                                   |                                  |                                                                                   | 0.14 ... 0.34                                                                       | —                                                                                   | —                                                                                   | 1607578 | 1607581 |
|                                                                                   |                                  |                                                                                   | 0.34 ... 0.50                                                                       | —                                                                                   | —                                                                                   | 1607579 | 1607582 |
| Crimp contacts, turned, Ø 1 mm                                                    |                                  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |         |         |
|   |                                  | Crimp range [mm²]                                                                 | 0.06 ... 0.25                                                                       | 1618255                                                                             | 1618239                                                                             | —       | —       |
|                                                                                   |                                  |                                                                                   | 0.25 ... 1.00                                                                       | 1618458                                                                             | 1618464                                                                             | —       | —       |

<sup>1)</sup> Rated current for maximum connection cross-section.

Please order crimp contacts separately. For crimping tools as accessories for contacts, go to [phoenixcontact.com](http://phoenixcontact.com).

| M17 PRO series lead-free crimp contacts                                                                                               |                                  |                   |                                                                                     | 8-pos.                                                                                |                                                                                       | 17-pos.                                                                               |         |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| <div><div>new</div><div>RoHS</div><div>Pb &lt; 0,1%</div></div> <div>Items are lead-free<br/>(RoHS II without<br/>Exemption 6c)</div> | Connection method                |                   | Crimp                                                                               |                                                                                       | Crimp                                                                                 |                                                                                       |         |
|                                                                                                                                       | Rated voltage [V AC/DC]          |                   | 60                                                                                  |                                                                                       | 60                                                                                    |                                                                                       |         |
|                                                                                                                                       | Rated current <sup>1)</sup> [A]  |                   | 8                                                                                   |                                                                                       | 3.6                                                                                   |                                                                                       |         |
|                                                                                                                                       | Number of contacts/diameter [mm] |                   | 8 x 1.0                                                                             |                                                                                       | 17 x 0.6                                                                              |                                                                                       |         |
|                                                                                                                                       | Litz wire cross-sections [mm²]   |                   | 0.06 ... 1.0                                                                        |                                                                                       | 0.06 ... 0.5                                                                          |                                                                                       |         |
|                                                                                                                                       | Pin assignment                   |                   | Male                                                                                | Female                                                                                | Male                                                                                  | Female                                                                                |         |
|                                                                                                                                       |                                  |                   |  |  |  |  |         |
| Crimp contacts, turned, Ø 0.6 mm                                                                                                      |                                  |                   |                                                                                     |                                                                                       |                                                                                       |                                                                                       |         |
|                                                    |                                  | Crimp range [mm²] | 0.06 ... 0.34                                                                       | —                                                                                     | —                                                                                     | 1242311                                                                               | 1242314 |
|                                                                                                                                       |                                  |                   | 0.34 ... 0.50                                                                       | —                                                                                     | —                                                                                     | 1242312                                                                               | 1242315 |
| Crimp contacts, turned, Ø 1 mm                                                                                                        |                                  |                   |                                                                                     |                                                                                       |                                                                                       |                                                                                       |         |
|                                                     |                                  | Crimp range [mm²] | 0.06 ... 1.00                                                                       | 1243215                                                                               | 1243216                                                                               | —                                                                                     | —       |

<sup>1)</sup> Rated current for maximum connection cross-section

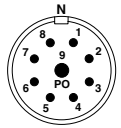
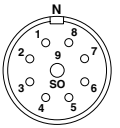
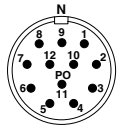
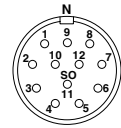
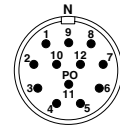
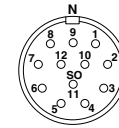
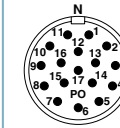
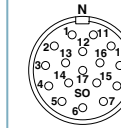
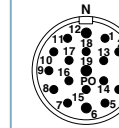
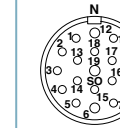
Please order crimp contacts separately. For crimping tools as accessories for contacts, go to [phoenixcontact.com](http://phoenixcontact.com).

| M23 PRO series                                                                                                                                                                                                                                         |                                           |      | 6-pos.        |         | 7-pos.        |         |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|---------------|---------|---------------|---------|---------|
| <div><div><div><div><div></div><div>Web code: #2068</div></div><div><div>new</div></div><div><div>RoHS</div></div><div><div>Pb &lt; 0,1%</div></div><div><div>Items are lead-free<br/>(RoHS II without<br/>Exemption 6c)</div></div></div></div></div> | Connection method                         |      | Crimp, solder |         | Crimp, solder |         |         |
|                                                                                                                                                                                                                                                        | Rated voltage [V AC/DC]                   |      | 300           |         | 300           |         |         |
|                                                                                                                                                                                                                                                        | Rated current <sup>1)</sup> [A]           |      | 20            |         | 20            |         |         |
|                                                                                                                                                                                                                                                        | Number of contacts/diameter [mm]          |      | 6 x 2.0       |         | 7 x 2.0       |         |         |
|                                                                                                                                                                                                                                                        | Litz wire cross-sections [mm²]            |      | 0.06 ... 2.5  |         | 0.06 ... 2.5  |         |         |
|                                                                                                                                                                                                                                                        | Pin assignment                            |      | Male          | Female  | Male          | Female  |         |
|                                                                                                                                                                                                                                                        |                                           |      |               |         |               |         |         |
| Cable connectors, ONECLICK fast-locking system                                                                                                                                                                                                         |                                           |      |               |         |               |         |         |
|                                                                                                                                                                                                                                                        | Cable clamping range<br>Solder connection | [mm] | 3 ... 15      | 1341720 | 1341726       | 1341731 | 1341737 |
|                                                                                                                                                                                                                                                        |                                           |      | 4 ... 8.5     | 1341715 | 1341722       | 1341727 | 1341733 |
|                                                                                                                                                                                                                                                        |                                           |      | 6 ... 10      | 1341718 | 1341723       | 1341728 | 1341734 |
|                                                                                                                                                                                                                                                        |                                           |      | 9 ... 15      | 1341719 | 1341724       | 1341729 | 1341735 |
|                                                                                                                                                                                                                                                        | Cable clamping range<br>Crimp connection  | [mm] | 3 ... 15      | 1629188 | 1629184       | 1629176 | 1629180 |
|                                                                                                                                                                                                                                                        |                                           |      | 4 ... 8.5     | 1629191 | 1629187       | 1629179 | 1629183 |
|                                                                                                                                                                                                                                                        |                                           |      | 6 ... 10      | 1629190 | 1629186       | 1629178 | 1629182 |
|                                                                                                                                                                                                                                                        |                                           |      | 9 ... 15      | 1629189 | 1629185       | 1629177 | 1629181 |
| Cable connectors, standard locking                                                                                                                                                                                                                     |                                           |      |               |         |               |         |         |
|                                                                                                                                                                                                                                                        | Cable clamping range<br>Solder connection | [mm] | 3 ... 15      | 1340661 | 1340669       | 1340674 | 1340681 |
|                                                                                                                                                                                                                                                        |                                           |      | 4 ... 8.5     | 1340657 | 1340663       | 1340670 | 1340675 |
|                                                                                                                                                                                                                                                        |                                           |      | 6 ... 10      | 1340658 | 1340665       | 1340672 | 1340675 |
|                                                                                                                                                                                                                                                        |                                           |      | 9 ... 15      | 1340659 | 1340667       | 1340673 | 1340679 |
|                                                                                                                                                                                                                                                        | Cable clamping range<br>Crimp connection  | [mm] | 3 ... 15      | 1629232 | 1629236       | 1629224 | 1629228 |
|                                                                                                                                                                                                                                                        |                                           |      | 4 ... 8.5     | 1629235 | 1629239       | 1629227 | 1629231 |
|                                                                                                                                                                                                                                                        |                                           |      | 6 ... 10      | 1629234 | 1629238       | 1629226 | 1629230 |
|                                                                                                                                                                                                                                                        |                                           |      | 9 ... 15      | 1629233 | 1629237       | 1629225 | 1629229 |
| Coupler connectors                                                                                                                                                                                                                                     |                                           |      |               |         |               |         |         |
|                                                                                                                                                                                                                                                        | Cable clamping range<br>Solder connection | [mm] | 3 ... 15      | 1467190 | 1467199       | 1467430 | 1467435 |
|                                                                                                                                                                                                                                                        |                                           |      | 4 ... 8.5     | 1467180 | 1467191       | 1467426 | 1467432 |
|                                                                                                                                                                                                                                                        |                                           |      | 6 ... 10      | 1467181 | 1467193       | 1467428 | 1467433 |
|                                                                                                                                                                                                                                                        |                                           |      | 9 ... 15      | 1467187 | 1467197       | 1467429 | 1467434 |
|                                                                                                                                                                                                                                                        | Cable clamping range<br>Crimp connection  | [mm] | 3 ... 15      | 1629140 | 1629136       | 1629128 | 1629132 |
|                                                                                                                                                                                                                                                        |                                           |      | 4 ... 8.5     | 1629143 | 1629139       | 1629131 | 1629135 |
|                                                                                                                                                                                                                                                        |                                           |      | 6 ... 10      | 1629142 | 1629138       | 1629130 | 1629134 |
|                                                                                                                                                                                                                                                        |                                           |      | 9 ... 15      | 1629141 | 1629137       | 1629129 | 1629133 |

<sup>1)</sup> Rated current for maximum connection cross-section.

<sup>2)</sup> 16+2+PE for 19-pos. crimp connection.

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing. For crimp connection: Please order crimp contacts separately, more information starting on page 10.

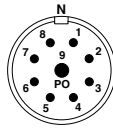
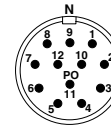
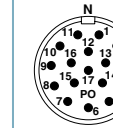
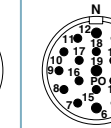
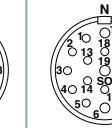
| ■ 9(8+1)-pos.                                                                    |                                                                                   | ■ 12-pos.                                                                         |                                                                                   | ■ 12-pos. reverse                                                                 |                                                                                   | ■ 17-pos.                                                                          |                                                                                     | ■ 19(16+3)-pos. <sup>2)</sup>                                                       |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Crimp, solder                                                                    |                                                                                   | Crimp, solder                                                                     |                                                                                   | Crimp, solder                                                                     |                                                                                   | Crimp, solder                                                                      |                                                                                     | Crimp, solder                                                                       |                                                                                     |
| 300                                                                              |                                                                                   | 150                                                                               |                                                                                   | 150                                                                               |                                                                                   | 125                                                                                |                                                                                     | 150                                                                                 |                                                                                     |
| 8 / 20                                                                           |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                  |                                                                                     | 8 / 10                                                                              |                                                                                     |
| 8 x 1.0 / 1 x 2.0                                                                |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 17 x 1.0                                                                           |                                                                                     | 16 x 1.0 / 3 x 1.5                                                                  |                                                                                     |
| 0.08 ... 1.0 / 0.06 ... 2.5                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                       |                                                                                     | 0.08 ... 1.0 / 0.08 ... 1.0                                                         |                                                                                     |
| Male                                                                             | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                               | Female                                                                              | Male                                                                                | Female                                                                              |
|  |  |  |  |  |  |  |  |  |  |
| 1342194                                                                          | 1342198                                                                           | 1342202                                                                           | 1342207                                                                           | 1543937                                                                           | 1543942                                                                           | 1342724                                                                            | 1342728                                                                             | 1342732                                                                             | 1342739                                                                             |
| 1342191                                                                          | 1342195                                                                           | 1342199                                                                           | 1342203                                                                           | 1543933                                                                           | 1543938                                                                           | 1342720                                                                            | 1342725                                                                             | 1342729                                                                             | 1342733                                                                             |
| 1342192                                                                          | 1342196                                                                           | 1342200                                                                           | 1342205                                                                           | 1543934                                                                           | 1543940                                                                           | 1342722                                                                            | 1342726                                                                             | 1342730                                                                             | 1342734                                                                             |
| 1342193                                                                          | 1342197                                                                           | 1342201                                                                           | 1342206                                                                           | 1543936                                                                           | 1543941                                                                           | 1342723                                                                            | 1342727                                                                             | 1342731                                                                             | 1342735                                                                             |
| 1629168                                                                          | 1629172                                                                           | 1629160                                                                           | 1629164                                                                           | 1069326                                                                           | 1069322                                                                           | 1629152                                                                            | 1629156                                                                             | 1629144                                                                             | 1629148                                                                             |
| 1629171                                                                          | 1629175                                                                           | 1629163                                                                           | 1629167                                                                           | 1069323                                                                           | 1069319                                                                           | 1629155                                                                            | 1629159                                                                             | 1629147                                                                             | 1629151                                                                             |
| 1629170                                                                          | 1629174                                                                           | 1629162                                                                           | 1629166                                                                           | 1069324                                                                           | 1069320                                                                           | 1629154                                                                            | 1629158                                                                             | 1629146                                                                             | 1629150                                                                             |
| 1629169                                                                          | 1629173                                                                           | 1629161                                                                           | 1629165                                                                           | 1069325                                                                           | 1069321                                                                           | 1629153                                                                            | 1629157                                                                             | 1629145                                                                             | 1629149                                                                             |
| 1340685                                                                          | 1340690                                                                           | 1340694                                                                           | 1340703                                                                           | 1543928                                                                           | 1543932                                                                           | 1341224                                                                            | 1341228                                                                             | 1341232                                                                             | 1341236                                                                             |
| 1340682                                                                          | 1340686                                                                           | 1340691                                                                           | 1340695                                                                           | 1543925                                                                           | 1543929                                                                           | 1341221                                                                            | 1341225                                                                             | 1341229                                                                             | 1341233                                                                             |
| 1340683                                                                          | 1340688                                                                           | 1340692                                                                           | 1340696                                                                           | 1543926                                                                           | 1543930                                                                           | 1341222                                                                            | 1341226                                                                             | 1341230                                                                             | 1341234                                                                             |
| 1340684                                                                          | 1340689                                                                           | 1340693                                                                           | 1340700                                                                           | 1543927                                                                           | 1543931                                                                           | 1341223                                                                            | 1341227                                                                             | 1341231                                                                             | 1341235                                                                             |
| 1629216                                                                          | 1629220                                                                           | 1629208                                                                           | 1629212                                                                           | 1069317                                                                           | 1069313                                                                           | 1629200                                                                            | 1629204                                                                             | 1629192                                                                             | 1629196                                                                             |
| 1629219                                                                          | 1629223                                                                           | 1629211                                                                           | 1629215                                                                           | 1069314                                                                           | 1069309                                                                           | 1629203                                                                            | 1629207                                                                             | 1629195                                                                             | 1629199                                                                             |
| 1629218                                                                          | 1629222                                                                           | 1629210                                                                           | 1629214                                                                           | 1069315                                                                           | 1069311                                                                           | 1629202                                                                            | 1629206                                                                             | 1629194                                                                             | 1629198                                                                             |
| 1629217                                                                          | 1629221                                                                           | 1629209                                                                           | 1629213                                                                           | 1069316                                                                           | 1069312                                                                           | 1629201                                                                            | 1629205                                                                             | 1629193                                                                             | 1629197                                                                             |
| 1467235                                                                          | 1467246                                                                           | 1467144                                                                           | 1467148                                                                           | 1543945                                                                           | 1543950                                                                           | 1467459                                                                            | 1467463                                                                             | 1467481                                                                             | 1467486                                                                             |
| 1467232                                                                          | 1467239                                                                           | 1467140                                                                           | 1467145                                                                           | 1543943                                                                           | 1543946                                                                           | 1467456                                                                            | 1467460                                                                             | 1467476                                                                             | 1467482                                                                             |
| 1467233                                                                          | 1467242                                                                           | 1467142                                                                           | 1467146                                                                           | 1473127                                                                           | 1543947                                                                           | 1467457                                                                            | 1467461                                                                             | 1467479                                                                             | 1467483                                                                             |
| 1467234                                                                          | 1467244                                                                           | 1467143                                                                           | 1467147                                                                           | 1543944                                                                           | 1543949                                                                           | 1467458                                                                            | 1467462                                                                             | 1467480                                                                             | 1467484                                                                             |
| 1629120                                                                          | 1629124                                                                           | 1629112                                                                           | 1629116                                                                           | 1329285                                                                           | 1329277                                                                           | 1629104                                                                            | 1629108                                                                             | 1629096                                                                             | 1629100                                                                             |
| 1629123                                                                          | 1629127                                                                           | 1629115                                                                           | 1629119                                                                           | 1329282                                                                           | 1329272                                                                           | 1629107                                                                            | 1629111                                                                             | 1629099                                                                             | 1629103                                                                             |
| 1629122                                                                          | 1629126                                                                           | 1629114                                                                           | 1629118                                                                           | 1329283                                                                           | 1329274                                                                           | 1629106                                                                            | 1629110                                                                             | 1629098                                                                             | 1629102                                                                             |
| 1629121                                                                          | 1629125                                                                           | 1629113                                                                           | 1629117                                                                           | 1329284                                                                           | 1329276                                                                           | 1629105                                                                            | 1629109                                                                             | 1629097                                                                             | 1629101                                                                             |

| M23 PRO series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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<sup>1)</sup> Rated current for maximum connection cross-section.

<sup>2)</sup> 16+2+PE for 19-pos. crimp connection.

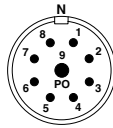
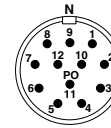
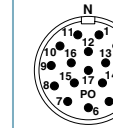
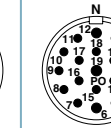
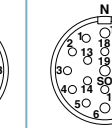
For crimp connection: Please order crimp contacts separately, more information starting on page 10.

| ■ 9(8+1)-pos.                                                                    |                                                                                   | ■ 12-pos.                                                                         |                                                                                   | ■ 12-pos. reverse                                                                 |                                                                                   | ■ 17-pos.                                                                         |                                                                                     | ■ 19(16+3)-pos. <sup>2)</sup>                                                       |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Crimp, solder                                                                    |                                                                                   | Crimp, solder                                                                     |                                                                                   | Crimp                                                                             |                                                                                   | Crimp, solder                                                                     |                                                                                     | Crimp, solder                                                                       |                                                                                     |
| 300                                                                              |                                                                                   | 150                                                                               |                                                                                   | 150                                                                               |                                                                                   | 125                                                                               |                                                                                     | 150                                                                                 |                                                                                     |
| 8 / 20                                                                           |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                 |                                                                                     | 8 / 10                                                                              |                                                                                     |
| 8 x 1.0 / 1 x 2.0                                                                |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 17 x 1.0                                                                          |                                                                                     | 16 x 1.0 / 3 x 1.5                                                                  |                                                                                     |
| 0.08 ... 1.0 / 0.06 ... 2.5                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                     | 0.08 ... 1.0 / 0.08 ... 1.0                                                         |                                                                                     |
| Male                                                                             | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                              | Male                                                                                | Female                                                                              |
|  |  |  |  |  |  |  |  |  |  |
| 1339324                                                                          | 1339326                                                                           | 1339330                                                                           | 1339333                                                                           | 1543921                                                                           | 1543924                                                                           | 1339336                                                                           | 1339339                                                                             | —                                                                                   | —                                                                                   |
| 1339323                                                                          | 1339325                                                                           | 1339327                                                                           | 1320259                                                                           | 1543918                                                                           | 1543917                                                                           | 1339334                                                                           | 1339337                                                                             | 1339340                                                                             | 1339341                                                                             |
| —                                                                                | —                                                                                 | 1339329                                                                           | 1339332                                                                           | 1543920                                                                           | 1543923                                                                           | 1339335                                                                           | 1339338                                                                             | —                                                                                   | —                                                                                   |
| 1132741                                                                          | 1132740                                                                           | 1132744                                                                           | 1132742                                                                           | 1329289                                                                           | 1329280                                                                           | 1132747                                                                           | 1132745                                                                             | —                                                                                   | —                                                                                   |
| 1629090                                                                          | 1629091                                                                           | 1629088                                                                           | 1629089                                                                           | 1329286                                                                           | 1329278                                                                           | 1629086                                                                           | 1629087                                                                             | 1629084                                                                             | 1629085                                                                             |
| —                                                                                | —                                                                                 | 1629082                                                                           | 1629083                                                                           | 1329288                                                                           | 1329279                                                                           | 1629080                                                                           | 1629081                                                                             | —                                                                                   | —                                                                                   |
| 1341930                                                                          | 1341932                                                                           | 1628498                                                                           | 1628499                                                                           | 1069328                                                                           | 1069327                                                                           | 1628496                                                                           | 1628497                                                                             | —                                                                                   | —                                                                                   |
| 1341950                                                                          | 1341949                                                                           | 1628494                                                                           | 1628495                                                                           | 1069330                                                                           | 1069329                                                                           | 1628492                                                                           | 1628493                                                                             | —                                                                                   | —                                                                                   |

| M23 PRO series crimp contacts                                                                       |                                  |               |         | 6-pos.      |         | 7-pos.      |        |
|-----------------------------------------------------------------------------------------------------|----------------------------------|---------------|---------|-------------|---------|-------------|--------|
| <div>RoHS</div> <div>Lead-free crimp contacts available, more information starting on page 12</div> | Connection method                |               |         | Crimp       |         | Crimp       |        |
|                                                                                                     | Rated voltage [V AC/DC]          |               |         | 300         |         | 300         |        |
|                                                                                                     | Rated current <sup>1)</sup> [A]  |               |         | 20          |         | 20          |        |
|                                                                                                     | Number of contacts/diameter [mm] |               |         | 6 x 2.0     |         | 7 x 2.0     |        |
|                                                                                                     | Litz wire cross-sections [mm²]   |               |         | 0.5 ... 2.5 |         | 0.5 ... 2.5 |        |
|                                                                                                     | Pin assignment                   |               |         | Male        | Female  | Male        | Female |
|                                                                                                     |                                  |               |         |             |         |             |        |
| Crimp contacts, turned, Ø 1 mm                                                                      |                                  |               |         |             |         |             |        |
|                                                                                                     | Crimp range [mm²]                | 0.08 ... 0.22 | —       | —           | —       | —           |        |
|                                                                                                     |                                  | 0.14 ... 0.56 | —       | —           | —       | —           |        |
|                                                                                                     |                                  | 0.5 ... 1.0   | —       | —           | —       | —           |        |
| Crimp contacts, rolled, Ø 1 mm                                                                      |                                  |               |         |             |         |             |        |
|                                                                                                     | Crimp range [mm²]                |               |         |             |         |             |        |
|                                                                                                     | Roll of 500 pcs.                 | 0.08 ... 0.22 | —       | —           | —       | —           |        |
|                                                                                                     | Roll of 10000 pcs.               | 0.08 ... 0.22 | —       | —           | —       | —           |        |
|                                                                                                     | Roll of 500 pcs.                 | 0.22 ... 0.56 | —       | —           | —       | —           |        |
|                                                                                                     | Roll of 10000 pcs.               | 0.22 ... 0.56 | —       | —           | —       | —           |        |
| Crimp contacts, turned, Ø 1.5 mm                                                                    |                                  |               |         |             |         |             |        |
|                                                                                                     | Crimp range [mm²]                | 0.08 ... 0.22 | —       | —           | —       | —           |        |
|                                                                                                     |                                  | 0.14 ... 0.56 | —       | —           | —       | —           |        |
|                                                                                                     |                                  | 0.5 ... 1.0   | —       | —           | —       | —           |        |
|                                                                                                     | Leading contact                  | 0.5 ... 1.0   | —       | —           | —       | —           |        |
| Crimp contacts, turned, Ø 2 mm                                                                      |                                  |               |         |             |         |             |        |
|                                                                                                     | Crimp range [mm²]                | 0.5 ... 0.75  | 1603529 | 1603530     | 1603529 | 1603530     |        |
|                                                                                                     |                                  | 0.75 ... 1.0  | 1603498 | 1603501     | 1603498 | 1603501     |        |
|                                                                                                     |                                  | 1.0 ... 1.5   | 1603513 | 1603517     | 1603513 | 1603517     |        |
|                                                                                                     |                                  | 1.5 ... 2.5   | 1603505 | 1603509     | 1603505 | 1603509     |        |

<sup>1)</sup> Rated current for maximum connection cross-section.

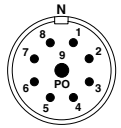
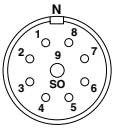
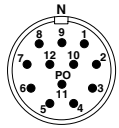
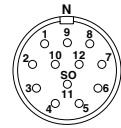
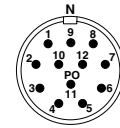
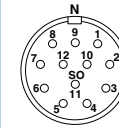
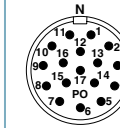
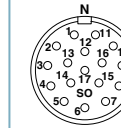
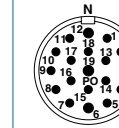
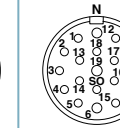
Please order crimp contacts separately. For crimping tools as accessories for contacts, go to phoenixcontact.com.

| ■ 9(8+1)-pos.                                                                    |                                                                                   | ■ 12-pos.                                                                         |                                                                                   | ■ 12-pos. reverse                                                                 |                                                                                   | ■ 17-pos.                                                                         |                                                                                     | ■ 19(16+2+PE)-pos.                                                                  |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Crimp                                                                            |                                                                                   | Crimp                                                                             |                                                                                   | Crimp                                                                             |                                                                                   | Crimp                                                                             |                                                                                     | Crimp                                                                               |                                                                                     |
| 300                                                                              |                                                                                   | 150                                                                               |                                                                                   | 150                                                                               |                                                                                   | 125                                                                               |                                                                                     | 150                                                                                 |                                                                                     |
| 8 / 20                                                                           |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                 |                                                                                     | 8 / 10                                                                              |                                                                                     |
| 8 x 1.0 / 1 x 2.0                                                                |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 17 x 1.0                                                                          |                                                                                     | 16 x 1.0 / 3 x 1.5                                                                  |                                                                                     |
| 0.08 ... 1.0 / 0.5 ... 2.5                                                       |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                     | 0.08 ... 1.0 / 0.5 ... 1.0                                                          |                                                                                     |
| Male                                                                             | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                              | Male                                                                                | Female                                                                              |
|  |  |  |  |  |  |  |  |  |  |
| 1596770                                                                          | 1596772                                                                           | 1596770                                                                           | 1596772                                                                           | 1596770                                                                           | 1596772                                                                           | 1596770                                                                           | 1596772                                                                             | 1623776                                                                             | 1596772                                                                             |
| 1597862                                                                          | 1599600                                                                           | 1597862                                                                           | 1599600                                                                           | 1597862                                                                           | 1599600                                                                           | 1597862                                                                           | 1599600                                                                             | 1623777                                                                             | 1599600                                                                             |
| 1602996                                                                          | 1602998                                                                           | 1602996                                                                           | 1602998                                                                           | 1602996                                                                           | 1602998                                                                           | 1602996                                                                           | 1602998                                                                             | 1623778                                                                             | 1602998                                                                             |
| 1603313                                                                          | 1603318                                                                           | 1603313                                                                           | 1603318                                                                           | 1603313                                                                           | 1603318                                                                           | 1603313                                                                           | 1603318                                                                             | —                                                                                   | 1603318                                                                             |
| 1611637                                                                          | 1616500                                                                           | 1611637                                                                           | 1616500                                                                           | 1611637                                                                           | 1616500                                                                           | 1611637                                                                           | 1616500                                                                             | —                                                                                   | 1616500                                                                             |
| 1603324                                                                          | 1603330                                                                           | 1603324                                                                           | 1603330                                                                           | 1603324                                                                           | 1603330                                                                           | 1603324                                                                           | 1603330                                                                             | —                                                                                   | 1603330                                                                             |
| 1603325                                                                          | 1603332                                                                           | 1603325                                                                           | 1603332                                                                           | 1603325                                                                           | 1603332                                                                           | 1603325                                                                           | 1603332                                                                             | —                                                                                   | 1603332                                                                             |
| —                                                                                | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | 1627292                                                                             | 1627290                                                                             |
| —                                                                                | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | 1627291                                                                             | —                                                                                   |
| —                                                                                | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | 1623779                                                                             | 1623775                                                                             |
| —                                                                                | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | 1623780                                                                             | —                                                                                   |
| 1603529                                                                          | 1603530                                                                           | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   |
| 1603498                                                                          | 1603501                                                                           | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   |
| 1603513                                                                          | 1603517                                                                           | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   |
| 1603505                                                                          | 1603509                                                                           | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   |

| M23 PRO series lead-free crimp contacts                                                                                              |                                  |               |         | 6-pos.       |         | 7-pos.       |        |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------|---------|--------------|---------|--------------|--------|
| <div><div>new</div><div>RoHS</div><div>Pb &lt; 0,1%</div><div>Items are lead-free<br/>(RoHS II without<br/>Exemption 6c)</div></div> | Connection method                |               |         | Crimp        |         | Crimp        |        |
|                                                                                                                                      | Rated voltage [V AC/DC]          |               |         | 300          |         | 300          |        |
|                                                                                                                                      | Rated current <sup>1)</sup> [A]  |               |         | 20           |         | 20           |        |
|                                                                                                                                      | Number of contacts/diameter [mm] |               |         | 6 x 2.0      |         | 7 x 2.0      |        |
|                                                                                                                                      | Litz wire cross-sections [mm²]   |               |         | 0.06 ... 2.5 |         | 0.06 ... 2.5 |        |
|                                                                                                                                      | Pin assignment                   |               |         | Male         | Female  | Male         | Female |
|                                                                                                                                      |                                  |               |         |              |         |              |        |
| Crimp contacts, turned, Ø 1 mm                                                                                                       |                                  |               |         |              |         |              |        |
|                                                                                                                                      | Crimp range [mm²]                | 0.08 ... 0.56 | —       | —            | —       | —            |        |
|                                                                                                                                      |                                  | 0.75 ... 1.0  | —       | —            | —       | —            |        |
| Crimp contacts, rolled, Ø 1 mm                                                                                                       |                                  |               |         |              |         |              |        |
|                                                                                                                                      | Crimp range [mm²]                |               |         |              |         |              |        |
|                                                                                                                                      | Roll of 500 pcs.                 | 0.08 ... 0.22 | —       | —            | —       | —            |        |
|                                                                                                                                      | Roll of 10000 pcs.               | 0.08 ... 0.22 | —       | —            | —       | —            |        |
|                                                                                                                                      | Roll of 500 pcs.                 | 0.22 ... 0.56 | —       | —            | —       | —            |        |
|                                                                                                                                      | Roll of 10000 pcs.               | 0.22 ... 0.56 | —       | —            | —       | —            |        |
| Crimp contacts, turned, Ø 1.5 mm                                                                                                     |                                  |               |         |              |         |              |        |
|                                                                                                                                      | Crimp range [mm²]                | 0.08 ... 0.56 | —       | —            | —       | —            |        |
|                                                                                                                                      |                                  | 0.75 ... 1.0  | —       | —            | —       | —            |        |
|                                                                                                                                      | Leading contact                  | 0.75 ... 1.0  | —       | —            | —       | —            |        |
| Crimp contacts, turned, Ø 2 mm                                                                                                       |                                  |               |         |              |         |              |        |
|                                                                                                                                      | Crimp range [mm²]                | 0.06 ... 1.0  | 1241632 | 1241633      | 1241632 | 1241633      |        |
|                                                                                                                                      |                                  | 0.75 ... 2.5  | 1241634 | 1241635      | 1241634 | 1241635      |        |

<sup>1)</sup> Rated current for maximum connection cross-section.

Please order crimp contacts separately. For crimping tools as accessories for contacts, go to [phoenixcontact.com](http://phoenixcontact.com).

| ■ 9(8+1)-pos.                                                                    |                                                                                   | ■ 12-pos.                                                                         |                                                                                   | ■ 12-pos. reverse                                                                 |                                                                                   | ■ 17-pos.                                                                          |                                                                                     | ■ 19(16+2+PE)-pos.                                                                  |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Crimp                                                                            |                                                                                   | Crimp                                                                             |                                                                                   | Crimp                                                                             |                                                                                   | Crimp                                                                              |                                                                                     | Crimp                                                                               |                                                                                     |
| 300                                                                              |                                                                                   | 150                                                                               |                                                                                   | 150                                                                               |                                                                                   | 125                                                                                |                                                                                     | 150                                                                                 |                                                                                     |
| 8 / 20                                                                           |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                 |                                                                                   | 8                                                                                  |                                                                                     | 8 / 10                                                                              |                                                                                     |
| 8 x 1.0 / 1 x 2.0                                                                |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 12 x 1.0                                                                          |                                                                                   | 17 x 1.0                                                                           |                                                                                     | 16 x 1.0 / 3 x 1.5                                                                  |                                                                                     |
| 0.08 ... 1.0 / 0.06 ... 2.5                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                      |                                                                                   | 0.08 ... 1.0                                                                       |                                                                                     | 0.08 ... 1.0 / 0.08 ... 1.0                                                         |                                                                                     |
| Male                                                                             | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                               | Female                                                                              | Male                                                                                | Female                                                                              |
|  |  |  |  |  |  |  |  |  |  |
| 1240882                                                                          | 1241093                                                                           | 1240882                                                                           | 1241093                                                                           | 1240882                                                                           | 1241093                                                                           | 1240882                                                                            | 1241093                                                                             | 1244971                                                                             | 1241093                                                                             |
| 1241571                                                                          | 1241572                                                                           | 1241571                                                                           | 1241572                                                                           | 1241571                                                                           | 1241572                                                                           | 1241571                                                                            | 1241572                                                                             | 1244972                                                                             | 1241572                                                                             |
| 1603313                                                                          | 1603318                                                                           | 1603313                                                                           | 1603318                                                                           | 1603313                                                                           | 1603318                                                                           | 1603313                                                                            | 1603318                                                                             | —                                                                                   | 1603318                                                                             |
| 1611637                                                                          | 1616500                                                                           | 1611637                                                                           | 1616500                                                                           | 1611637                                                                           | 1616500                                                                           | 1611637                                                                            | 1616500                                                                             | —                                                                                   | 1616500                                                                             |
| 1603324                                                                          | 1603330                                                                           | 1603324                                                                           | 1603330                                                                           | 1603324                                                                           | 1603330                                                                           | 1603324                                                                            | 1603330                                                                             | —                                                                                   | 1603330                                                                             |
| 1603325                                                                          | 1603332                                                                           | 1603325                                                                           | 1603332                                                                           | 1603325                                                                           | 1603332                                                                           | 1603325                                                                            | 1603332                                                                             | —                                                                                   | 1603332                                                                             |
| —                                                                                | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                  | —                                                                                   | 1245475                                                                             | 1245474                                                                             |
| —                                                                                | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                  | —                                                                                   | 1244973                                                                             | 1244969                                                                             |
| —                                                                                | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                  | —                                                                                   | 1244974                                                                             | —                                                                                   |
| 1241632                                                                          | 1241633                                                                           | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                  | —                                                                                   | —                                                                                   | —                                                                                   |
| 1241634                                                                          | 1241635                                                                           | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                  | —                                                                                   | —                                                                                   | —                                                                                   |

| M17 PRO series                                                                                                                                                                                                                                         |                                                                  |             | 4(3+PE)-pos.                                                                        |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <div><div><div><div><div></div><div></div></div><div>Web code: #2067</div></div><div><div>new</div></div><div><div>RoHS</div></div><div><div>Pb &lt; 0,1%</div></div><div>Items are lead-free<br/>(RoHS II without<br/>Exemption 6c)</div></div></div> | Connection method                                                |             | Crimp                                                                               |                                                                                     |
|                                                                                                                                                                                                                                                        | Rated voltage [V AC/DC]                                          |             | 630                                                                                 |                                                                                     |
|                                                                                                                                                                                                                                                        | Rated current <sup>1)</sup> [A]                                  |             | 20                                                                                  |                                                                                     |
|                                                                                                                                                                                                                                                        | Number of contacts/diameter [mm]                                 |             | 4 x 1.5                                                                             |                                                                                     |
|                                                                                                                                                                                                                                                        | Litz wire cross-sections [mm²]                                   |             | 0.25 ... 2.5                                                                        |                                                                                     |
|                                                                                                                                                                                                                                                        | Pin assignment                                                   |             | Male                                                                                | Female                                                                              |
|                                                                                                                                                                                                                                                        |                                                                  |             |  |  |
| Cable connectors, ONECLICK fast-locking system                                                                                                                                                                                                         |                                                                  |             |                                                                                     |                                                                                     |
|                                                                                                                                                                       | Cable clamping range [mm]                                        | 3.5 ... 6.5 | 1069487                                                                             | 1069490                                                                             |
|                                                                                                                                                                                                                                                        |                                                                  | 5.5 ... 9.5 | 1069488                                                                             | 1069491                                                                             |
|                                                                                                                                                                                                                                                        |                                                                  | 8.5 ... 12  | 1069489                                                                             | 1069492                                                                             |
| ONECLICK Technology <sup>®</sup><br>Designed by PHOENIX CONTACT                                                                                                                                                                                        |                                                                  |             |                                                                                     |                                                                                     |
| Cable connectors, standard locking                                                                                                                                                                                                                     |                                                                  |             |                                                                                     |                                                                                     |
|                                                                                                                                                                       | Cable clamping range [mm]                                        | 3.5 ... 6.5 | 1069481                                                                             | 1069484                                                                             |
|                                                                                                                                                                                                                                                        |                                                                  | 5.5 ... 9.5 | 1069482                                                                             | 1069485                                                                             |
|                                                                                                                                                                                                                                                        |                                                                  | 8.5 ... 12  | 1069483                                                                             | 1069486                                                                             |
| Coupler connectors                                                                                                                                                                                                                                     |                                                                  |             |                                                                                     |                                                                                     |
|                                                                                                                                                                     | Cable clamping range [mm]                                        | 3.5 ... 6.5 | 1069495                                                                             | 1069498                                                                             |
|                                                                                                                                                                                                                                                        |                                                                  | 5.5 ... 9.5 | 1069496                                                                             | 1069499                                                                             |
|                                                                                                                                                                                                                                                        |                                                                  | 8.5 ... 12  | 1069497                                                                             | 1069509                                                                             |
| Device connectors, front mounting                                                                                                                                                                                                                      |                                                                  |             |                                                                                     |                                                                                     |
|                                                                                                                                                                     | Flange dimensions: 26 mm x 26 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1069502                                                                             | 1069500                                                                             |
|                                                                                                                                                                                                                                                        | Flange dimensions: 28 mm x 28 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1069503                                                                             | 1069504                                                                             |
| Device connectors, angled, rotatable, front mounting                                                                                                                                                                                                   |                                                                  |             |                                                                                     |                                                                                     |
|                                                                                                                                                                     | Flange dimensions: 26 mm x 26 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1069505                                                                             | 1069506                                                                             |
|                                                                                                                                                                                                                                                        | Flange dimensions: 28 mm x 28 mm<br>Mounting holes: 4 x Ø 3.2 mm |             | 1069507                                                                             | 1069508                                                                             |

<sup>1)</sup> Rated current for maximum connection cross-section.  
 The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.  
 Please order crimp contacts separately, more information starting on page 16.

| 6(5+PE)-pos.                                                                     |                                                                                   | 7(6+PE)-pos.                                                                      |                                                                                   | 8(7+PE)-pos.                                                                      |                                                                                    | 9(5+3+PE)-pos.                                                                      |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Crimp                                                                            |                                                                                   | Crimp                                                                             |                                                                                   | Crimp                                                                             |                                                                                    | Crimp                                                                               |                                                                                     |
| 630                                                                              |                                                                                   | 630                                                                               |                                                                                   | 630                                                                               |                                                                                    | 60 / 630                                                                            |                                                                                     |
| 14                                                                               |                                                                                   | 14                                                                                |                                                                                   | 14                                                                                |                                                                                    | 3.6 / 14                                                                            |                                                                                     |
| 6 x 1.0                                                                          |                                                                                   | 7 x 1.0                                                                           |                                                                                   | 8 x 1.0                                                                           |                                                                                    | 5 x 0.6 / 4 x 1.0                                                                   |                                                                                     |
| 0.06 ... 1.0                                                                     |                                                                                   | 0.06 ... 1.0                                                                      |                                                                                   | 0.06 ... 1.0                                                                      |                                                                                    | 0.06 ... 0.5 / 0.06 ... 1.0                                                         |                                                                                     |
| Male                                                                             | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                             | Male                                                                                | Female                                                                              |
|  |  |  |  |  |  |  |  |
| 1628998                                                                          | 1628995                                                                           | 1628992                                                                           | 1628989                                                                           | 1628986                                                                           | 1628983                                                                            | 1628980                                                                             | 1628977                                                                             |
| 1628997                                                                          | 1628994                                                                           | 1628991                                                                           | 1628988                                                                           | 1628985                                                                           | 1628982                                                                            | 1628979                                                                             | 1628976                                                                             |
| 1628996                                                                          | 1628993                                                                           | 1628990                                                                           | 1628987                                                                           | 1628984                                                                           | 1628981                                                                            | 1628978                                                                             | 1628975                                                                             |
| 1629040                                                                          | 1629037                                                                           | 1629034                                                                           | 1629031                                                                           | 1629028                                                                           | 1629025                                                                            | 1629022                                                                             | 1629019                                                                             |
| 1629039                                                                          | 1629036                                                                           | 1629033                                                                           | 1629030                                                                           | 1629027                                                                           | 1629024                                                                            | 1629021                                                                             | 1629018                                                                             |
| 1629038                                                                          | 1629035                                                                           | 1629032                                                                           | 1629029                                                                           | 1629026                                                                           | 1629023                                                                            | 1629020                                                                             | 1629017                                                                             |
| 1628956                                                                          | 1628953                                                                           | 1628950                                                                           | 1628947                                                                           | 1628944                                                                           | 1628941                                                                            | 1628938                                                                             | 1628935                                                                             |
| 1628955                                                                          | 1628952                                                                           | 1628949                                                                           | 1628946                                                                           | 1628943                                                                           | 1628940                                                                            | 1628937                                                                             | 1628934                                                                             |
| 1628954                                                                          | 1628951                                                                           | 1628948                                                                           | 1628945                                                                           | 1628942                                                                           | 1628939                                                                            | 1628936                                                                             | 1628933                                                                             |
| 1628920                                                                          | 1628919                                                                           | 1628916                                                                           | 1628915                                                                           | 1628912                                                                           | 1628911                                                                            | 1628908                                                                             | 1628907                                                                             |
| 1628918                                                                          | 1628917                                                                           | 1628914                                                                           | 1628913                                                                           | 1628910                                                                           | 1628909                                                                            | 1628906                                                                             | 1628905                                                                             |
| 1628515                                                                          | 1628514                                                                           | 1628511                                                                           | 1628510                                                                           | 1628507                                                                           | 1628506                                                                            | 1628503                                                                             | 1628502                                                                             |
| 1628513                                                                          | 1628512                                                                           | 1628509                                                                           | 1628508                                                                           | 1628505                                                                           | 1628504                                                                            | 1628501                                                                             | 1628500                                                                             |

| M17 PRO series crimp contacts                                                                       |                                                                                      |               |                                                                                     | 4(3+PE)-pos.                                                                        |  |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| <div>RoHS</div> <div>Lead-free crimp contacts available, more information starting on page 18</div> | Connection method                                                                    |               | Crimp                                                                               |                                                                                     |  |
|                                                                                                     | Rated voltage [V AC/DC]                                                              |               | 630                                                                                 |                                                                                     |  |
|                                                                                                     | Rated current <sup>1)</sup> [A]                                                      |               | 25 / 20                                                                             |                                                                                     |  |
|                                                                                                     | Number of contacts/diameter [mm]                                                     |               | 4 x 1.5                                                                             |                                                                                     |  |
|                                                                                                     | Litz wire cross-sections [mm <sup>2</sup> ]                                          |               | 0.25 ... 2.5                                                                        |                                                                                     |  |
|                                                                                                     | Pin assignment                                                                       |               | Male                                                                                | Female                                                                              |  |
|                                                                                                     |                                                                                      |               |  |  |  |
| Crimp contacts, turned, Ø 0.6 mm                                                                    |                                                                                      |               |                                                                                     |                                                                                     |  |
|                    | Crimp range [mm <sup>2</sup> ]                                                       | 0.06 ... 0.25 | —                                                                                   | —                                                                                   |  |
|                                                                                                     |                                                                                      | 0.14 ... 0.34 | —                                                                                   | —                                                                                   |  |
|                                                                                                     |                                                                                      | 0.34 ... 0.50 | —                                                                                   | —                                                                                   |  |
| Crimp contacts, turned, Ø 1 mm                                                                      |                                                                                      |               |                                                                                     |                                                                                     |  |
|                    | Crimp range [mm <sup>2</sup> ]                                                       | 0.06 ... 0.25 | —                                                                                   | —                                                                                   |  |
|                                                                                                     |                                                                                      | 0.25 ... 1.00 | —                                                                                   | —                                                                                   |  |
| Crimp contacts, turned, Ø 1.5 mm                                                                    |                                                                                      |               |                                                                                     |                                                                                     |  |
|                   | For 3+PE-pos. version with contact diameter 1.5 mm<br>Crimp range [mm <sup>2</sup> ] | 0.25 ... 2.50 | 1213852                                                                             | 1213854                                                                             |  |

<sup>1)</sup> Rated current for maximum connection cross-section.  
Please order crimp contacts separately. For crimping tools as accessories for contacts, go to [phoenixcontact.com](http://phoenixcontact.com).

| ■ 6(5+PE)-pos.                                                                   |                                                                                   | ■ 7(6+PE)-pos.                                                                    |                                                                                   | ■ 8(7+PE)-pos.                                                                    |                                                                                    | ■ 9(5+3+PE)-pos.                                                                    |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Crimp                                                                            |                                                                                   | Crimp                                                                             |                                                                                   | Crimp                                                                             |                                                                                    | Crimp                                                                               |                                                                                     |
| 630                                                                              |                                                                                   | 630                                                                               |                                                                                   | 630                                                                               |                                                                                    | 60 / 630                                                                            |                                                                                     |
| 14                                                                               |                                                                                   | 14                                                                                |                                                                                   | 14                                                                                |                                                                                    | 3.6 / 14                                                                            |                                                                                     |
| 6 x 1.0                                                                          |                                                                                   | 7 x 1.0                                                                           |                                                                                   | 8 x 1.0                                                                           |                                                                                    | 5 x 0.6 / 4 x 1.0                                                                   |                                                                                     |
| 0.06 ... 1.0                                                                     |                                                                                   | 0.06 ... 1.0                                                                      |                                                                                   | 0.06 ... 1.0                                                                      |                                                                                    | 0.06 ... 0.5 / 0.06 ... 1.0                                                         |                                                                                     |
| Male                                                                             | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                             | Male                                                                                | Female                                                                              |
|  |  |  |  |  |  |  |  |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| –                                                                                | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | 1607577                                                                             | 1607580                                                                             |
| –                                                                                | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | 1607578                                                                             | 1607581                                                                             |
| –                                                                                | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | 1607579                                                                             | 1607582                                                                             |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| 1618255                                                                          | 1618239                                                                           | 1618255                                                                           | 1618239                                                                           | 1618255                                                                           | 1618239                                                                            | 1618255                                                                             | 1618239                                                                             |
| 1618458                                                                          | 1618464                                                                           | 1618458                                                                           | 1618464                                                                           | 1618458                                                                           | 1618464                                                                            | 1618458                                                                             | 1618464                                                                             |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| –                                                                                | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | –                                                                                   | –                                                                                   |

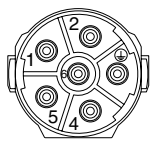
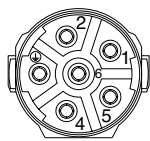
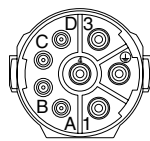
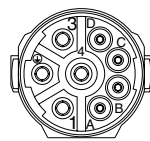
| M17 PRO series lead-free crimp contacts                                                                                              |                                             |                                                                                         |                                                                                     | 4(3+PE)-pos. |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|
| <div><div>new</div><div>RoHS</div><div>Pb &lt; 0,1%</div><div>Items are lead-free<br/>(RoHS II without<br/>Exemption 6c)</div></div> | Connection method                           |                                                                                         | Crimp                                                                               |              |                                                                                     |
|                                                                                                                                      | Rated voltage [V AC/DC]                     |                                                                                         | 630                                                                                 |              |                                                                                     |
|                                                                                                                                      | Rated current <sup>1)</sup> [A]             |                                                                                         | 25 / 20                                                                             |              |                                                                                     |
|                                                                                                                                      | Number of contacts/diameter [mm]            |                                                                                         | 4 x 1.5                                                                             |              |                                                                                     |
|                                                                                                                                      | Litz wire cross-sections [mm <sup>2</sup> ] |                                                                                         | 0.25 ... 2.5                                                                        |              |                                                                                     |
|                                                                                                                                      | Pin assignment                              |                                                                                         | Male                                                                                |              | Female                                                                              |
|                                                                                                                                      |                                             |                                                                                         |  |              |  |
| Crimp contacts, turned, Ø 0.6 mm                                                                                                     |                                             |                                                                                         |                                                                                     |              |                                                                                     |
|                                                     |                                             | Crimp range [mm <sup>2</sup> ]                                                          | 0.06 ... 0.34                                                                       | —            | —                                                                                   |
|                                                                                                                                      |                                             |                                                                                         | 0.34 ... 0.50                                                                       | —            | —                                                                                   |
| Crimp contacts, turned, Ø 1 mm                                                                                                       |                                             |                                                                                         |                                                                                     |              |                                                                                     |
|                                                     |                                             | Crimp range [mm <sup>2</sup> ]                                                          | 0.06 ... 1.00                                                                       | —            | —                                                                                   |
| Crimp contacts, turned, Ø 1.5 mm                                                                                                     |                                             |                                                                                         |                                                                                     |              |                                                                                     |
|                                                     |                                             | For 3+PE-pos. version<br>with contact diameter 1.5 mm<br>Crimp range [mm <sup>2</sup> ] | 0.25 ... 2.50                                                                       | 1213852      | 1213854                                                                             |

<sup>1)</sup> Rated current for maximum connection cross-section.  
Please order crimp contacts separately. For crimping tools as accessories for contacts, go to [phoenixcontact.com](http://phoenixcontact.com).

| ■ 6(5+PE)-pos.                                                                   |                                                                                   | ■ 7(6+PE)-pos.                                                                    |                                                                                   | ■ 8(7+PE)-pos.                                                                    |                                                                                    | ■ 9(5+3+PE)-pos.                                                                    |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Crimp                                                                            |                                                                                   | Crimp                                                                             |                                                                                   | Crimp                                                                             |                                                                                    | Crimp                                                                               |                                                                                     |
| 630                                                                              |                                                                                   | 630                                                                               |                                                                                   | 630                                                                               |                                                                                    | 60 / 630                                                                            |                                                                                     |
| 14                                                                               |                                                                                   | 14                                                                                |                                                                                   | 14                                                                                |                                                                                    | 3.6 / 14                                                                            |                                                                                     |
| 6 x 1.0                                                                          |                                                                                   | 7 x 1.0                                                                           |                                                                                   | 8 x 1.0                                                                           |                                                                                    | 5 x 0.6 / 4 x 1.0                                                                   |                                                                                     |
| 0.06 ... 1.0                                                                     |                                                                                   | 0.06 ... 1.0                                                                      |                                                                                   | 0.06 ... 1.0                                                                      |                                                                                    | 0.06 ... 0.5 / 0.06 ... 1.0                                                         |                                                                                     |
| Male                                                                             | Female                                                                            | Male                                                                              | Female                                                                            | Male                                                                              | Female                                                                             | Male                                                                                | Female                                                                              |
|  |  |  |  |  |  |  |  |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| –                                                                                | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | 1242311                                                                             | 1242314                                                                             |
| –                                                                                | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | 1242312                                                                             | 1242315                                                                             |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| 1243215                                                                          | 1243216                                                                           | 1243215                                                                           | 1243216                                                                           | 1243215                                                                           | 1243216                                                                            | 1243215                                                                             | 1243216                                                                             |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| –                                                                                | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | –                                                                                   | –                                                                                   |

| M23 PRO series                                 |                                                       |                                                                   |              | 6(5+PE)-pos. |            | 8(4+3+PE)-pos.              |            |
|------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------|--------------|--------------|------------|-----------------------------|------------|
| <div></div> <b>Web code:</b> #2067             | Connection method                                     |                                                                   |              | Crimp        |            | Crimp                       |            |
|                                                | Rated voltage [V AC/DC]                               |                                                                   |              | 630          |            | 250 / 630                   |            |
|                                                | Rated current <sup>1)</sup> [A]                       |                                                                   |              | 30           |            | 9 / 30                      |            |
|                                                | Number of contacts/diameter [mm]                      |                                                                   |              | 6 x 2        |            | 4 x 1 / 4 x 2               |            |
|                                                | Litz wire cross-sections [mm <sup>2</sup> ]           |                                                                   |              | 0.25 ... 4.0 |            | 0.06 ... 1.0 / 0.25 ... 4.0 |            |
|                                                | Pin assignment                                        |                                                                   |              | Male<br>     | Female<br> | Male<br>                    | Female<br> |
|                                                |                                                       |                                                                   |              |              |            |                             |            |
| <br><br>Pb < 0,1%                              | Items are lead-free<br>(RoHS II without Exemption 6c) |                                                                   |              |              |            |                             |            |
| Cable connectors, ONECLICK fast-locking system |                                                       |                                                                   |              |              |            |                             |            |
|                                                |                                                       | Cable clamping range [mm]                                         | 5.5 ... 15   | 1628871      | 1628815    | 1628867                     | 1628811    |
|                                                |                                                       | Short version<br>Cable Ø 5.5 mm ... 14.5 mm                       | 5.5 ... 8    | 1628874      | 1628818    | 1628869                     | 1628813    |
|                                                |                                                       |                                                                   | 7.5 ... 12   | 1628873      | 1628817    | 1628870                     | 1628814    |
|                                                |                                                       | ONECLICK Technology<br><small>Designed by PHOENIX CONTACT</small> | 9.5 ... 14.5 | 1628872      | 1628816    | 1628868                     | 1628812    |
|                                                |                                                       | Cable clamping range [mm]                                         | 7.5 ... 17   | 1628852      | 1628796    | 1628847                     | 1628791    |
|                                                |                                                       | Long version<br>Cable Ø 5.5 mm ... 17 mm                          | 5.5 ... 8    | 1628856      | 1628800    | 1628850                     | 1628795    |
|                                                |                                                       |                                                                   | 7.5 ... 12   | 1628855      | 1628799    | 1628851                     | 1628794    |
|                                                |                                                       |                                                                   | 9.5 ... 14.5 | 1628854      | 1628798    | 1628849                     | 1628793    |
|                                                |                                                       | ONECLICK Technology<br><small>Designed by PHOENIX CONTACT</small> | 14 ... 17    | 1628853      | 1628797    | 1628848                     | 1628792    |
| Cable connectors, standard locking             |                                                       |                                                                   |              |              |            |                             |            |
|                                                |                                                       | Cable clamping range [mm]                                         | 5.5 ... 15   | 1628879      | 1628823    | 1628875                     | 1628819    |
|                                                |                                                       | Short version<br>Cable Ø 5.5 mm ... 14.5 mm                       | 5.5 ... 8    | 1628882      | 1628826    | 1628878                     | 1628822    |
|                                                |                                                       |                                                                   | 7.5 ... 12   | 1628881      | 1628825    | 1628877                     | 1628821    |
|                                                |                                                       |                                                                   | 9.5 ... 14.5 | 1628880      | 1628824    | 1628876                     | 1628820    |
|                                                |                                                       | Cable clamping range [mm]                                         | 7.5 ... 17   | 1628862      | 1628806    | 1628857                     | 1628801    |
|                                                |                                                       | Long version<br>Cable Ø 5.5 mm ... 17 mm                          | 5.5 ... 8    | 1628866      | 1628810    | 1628861                     | 1628805    |
|                                                |                                                       |                                                                   | 7.5 ... 12   | 1628865      | 1628809    | 1628860                     | 1628804    |
|                                                |                                                       |                                                                   | 9.5 ... 14.5 | 1628864      | 1628808    | 1628859                     | 1628803    |
|                                                |                                                       |                                                                   | 14 ... 17    | 1628863      | 1628807    | 1628858                     | 1628802    |
| Coupler connectors                             |                                                       |                                                                   |              |              |            |                             |            |
|                                                |                                                       | Cable clamping range [mm]                                         | 5.5 ... 15   | 1628786      | 1628842    | 1628780                     | 1628836    |
|                                                |                                                       | Cable Ø 5.5 mm ... 17 mm                                          | 7.5 ... 17   | 1628785      | 1628841    | 1628779                     | 1628835    |
|                                                |                                                       |                                                                   | 5.5 ... 8    | 1628790      | 1628846    | 1628784                     | 1628840    |
|                                                |                                                       |                                                                   | 7.5 ... 12   | 1628789      | 1628845    | 1628783                     | 1628839    |
|                                                |                                                       |                                                                   | 9.5 ... 14.5 | 1628788      | 1628844    | 1628782                     | 1628838    |
|                                                |                                                       |                                                                   | 14 ... 17    | 1628787      | 1628843    | 1628781                     | 1628837    |

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing. Please order crimp contacts separately, see table on the right.

| M23 PRO series                                                                                                                                  |                                  | 6(5+PE)-pos.                                                                      |                                                                                    | 8(4+3+PE)-pos.                                                                      |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>i</b> Web code: #2067<br><div>new</div> <div>RoHS</div> <div>Pb &lt; 0,1%</div> <b>Items are lead-free</b><br>(RoHS II without Exemption 6c) | Connection method                | Crimp                                                                             |                                                                                    | Crimp                                                                               |                                                                                     |
|                                                                                                                                                 | Rated voltage [V AC/DC]          | 630                                                                               |                                                                                    | 250 / 630                                                                           |                                                                                     |
|                                                                                                                                                 | Rated current <sup>1)</sup> [A]  | 30                                                                                |                                                                                    | 9 / 30                                                                              |                                                                                     |
|                                                                                                                                                 | Number of contacts/diameter [mm] | 6 x 2                                                                             |                                                                                    | 4 x 1 / 4 x 2                                                                       |                                                                                     |
|                                                                                                                                                 | Litz wire cross-sections [mm²]   | 0.25 ... 4.0                                                                      |                                                                                    | 0.06 ... 1.0 / 0.25 ... 4.0                                                         |                                                                                     |
|                                                                                                                                                 | Pin assignment                   | Male                                                                              | Female                                                                             | Male                                                                                | Female                                                                              |
|                                                                                                                                                 |                                  |  |  |  |  |

## Device connectors, straight, front mounting

|                                                                                   |                                                                  |         |         |         |         |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------|---------|---------|---------|---------|
|  | Flange dimensions: 26 mm x 26 mm<br>Mounting holes: 4 x Ø 3.2 mm | 1628778 | 1628834 | 1628777 | 1628833 |
|                                                                                   | Flange dimensions: 28 mm x 28 mm<br>Mounting holes: 4 x Ø 3.2 mm | 1628776 | 1628832 | 1628775 | 1628831 |

## Device connectors, angled, rotatable, front mounting

|                                                                                  |                                                                  |         |         |         |         |
|----------------------------------------------------------------------------------|------------------------------------------------------------------|---------|---------|---------|---------|
|  | Flange dimensions: 26 mm x 26 mm<br>Mounting holes: 4 x Ø 3.2 mm | 1628487 | 1628491 | 1628486 | 1628490 |
|                                                                                  | Flange dimensions: 28 mm x 28 mm<br>Mounting holes: 4 x Ø 3.2 mm | 1628485 | 1628489 | 1628484 | 1628488 |

<sup>1)</sup> Rated current for maximum connection cross-section

| M23 PRO series crimp contacts                                                       |             |       | 6(5+PE)-pos.  |         | 8(4+3+PE)-pos. |         |         |
|-------------------------------------------------------------------------------------|-------------|-------|---------------|---------|----------------|---------|---------|
|                                                                                     |             |       |               |         |                |         |         |
| Crimp contacts, turned, Ø 1 mm                                                      |             |       |               |         |                |         |         |
|  | Crimp range | [mm²] | 0.06 ... 0.25 | –       | –              | 1618255 | 1618239 |
|                                                                                     |             |       | 0.25 ... 1.0  | –       | –              | 1618458 | 1618464 |
| Crimp contacts, turned, Ø 2 mm                                                      |             |       |               |         |                |         |         |
|   | Crimp range | [mm²] | 0.25 ... 1.0  | 1050147 | 1621576        | 1050147 | 1621576 |
|                                                                                     |             |       | 1.5 ... 2.5   | 1050205 | 1621577        | 1050205 | 1621577 |
|                                                                                     |             |       | 2.5 ... 4.0   | 1050210 | 1621578        | 1050210 | 1621578 |

| M23 PRO series lead-free crimp contacts                                                |                                                    |       |  6(5+PE)-pos. |                         |  8(4+3+PE)-pos. |                         |                         |
|----------------------------------------------------------------------------------------|----------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|
|  new | Items are lead-free (RoHS II without Exemption 6c) |       |                                                                                                  |                         |                                                                                                      |                         |                         |
| Crimp contacts, turned, Ø 1 mm                                                         |                                                    |       |                                                                                                  |                         |                                                                                                      |                         |                         |
|     | Crimp range                                        | [mm²] | 0.06 ... 1.0                                                                                     | –                       | –                                                                                                    | <a href="#">1243215</a> | <a href="#">1243216</a> |
| Crimp contacts, turned, Ø 2 mm                                                         |                                                    |       |                                                                                                  |                         |                                                                                                      |                         |                         |
|      | Crimp range                                        | [mm²] | 0.25 ... 2.5                                                                                     | <a href="#">1238179</a> | <a href="#">1244461</a>                                                                              | <a href="#">1238179</a> | <a href="#">1244461</a> |
|                                                                                        |                                                    |       | 1.5 ... 4.0                                                                                      | <a href="#">1238180</a> | <a href="#">1244462</a>                                                                              | <a href="#">1238180</a> | <a href="#">1244462</a> |

Please order crimp contacts separately. For crimping tools as accessories for contacts, go to [phoenixcontact.com](http://phoenixcontact.com).

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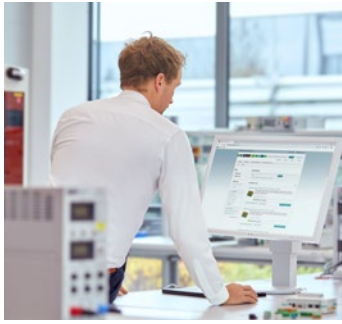
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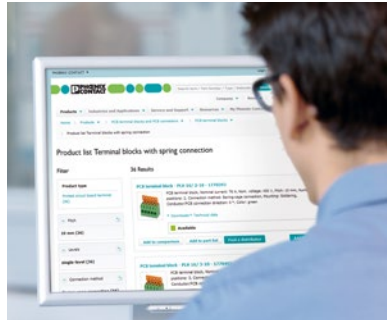


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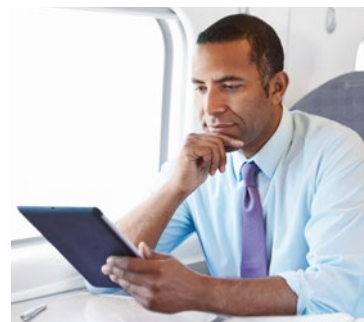
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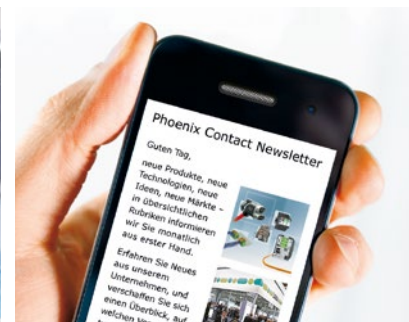
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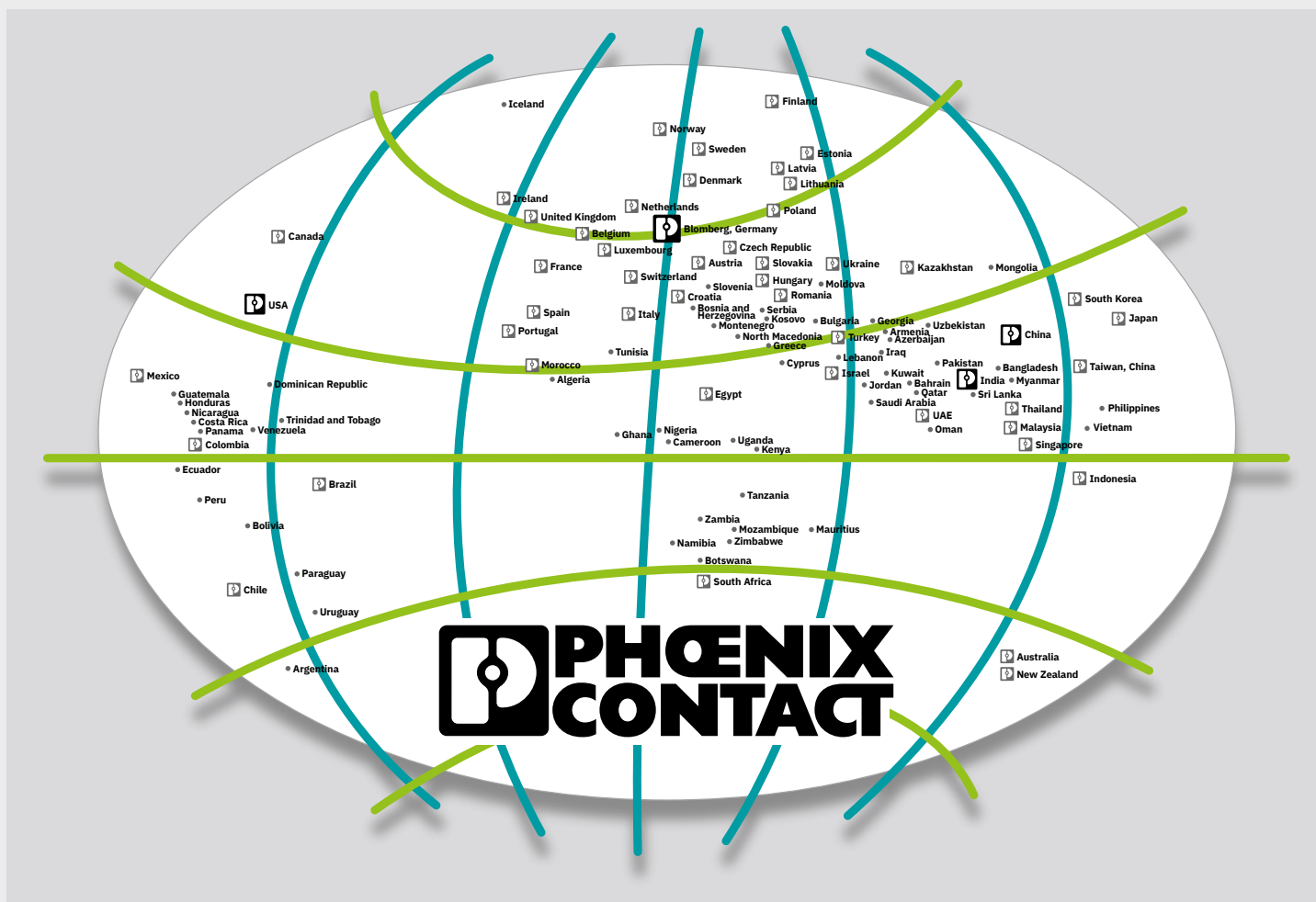
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