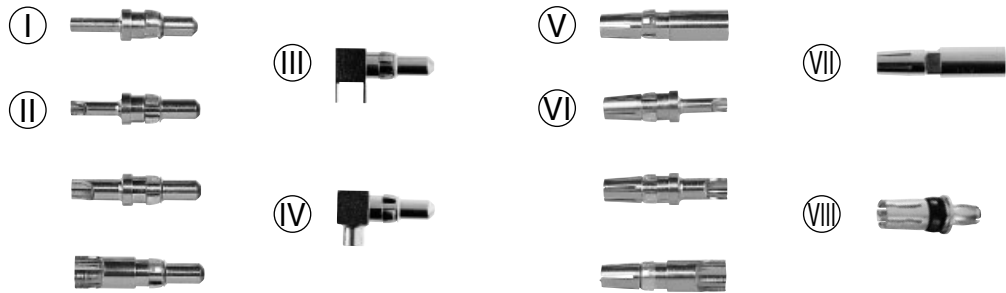
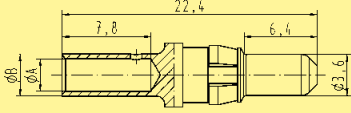
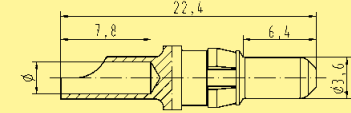
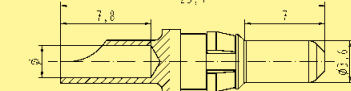
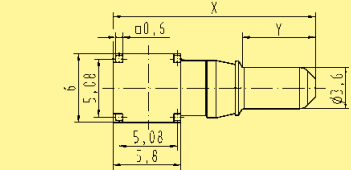
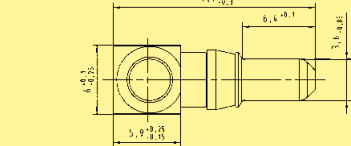
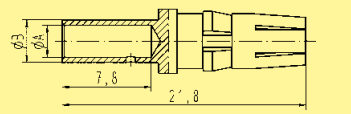
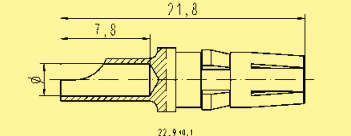
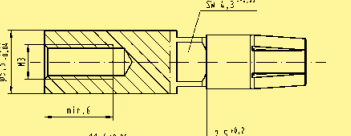
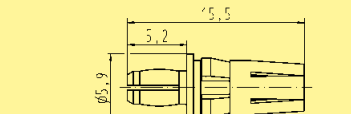
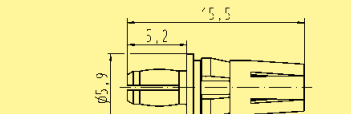


# DIN 41 612 · Special contacts type M



## High current contacts

DIN Signal up to 2 A

| Identification   | Part No.<br>Performance level 1 | Drawing  | Dimensions in mm  |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
|--|---------------------------------|--|---|-----|-----|------|-------------------------------|------|------|----------|------|-----|----|------|------|------|---|----|------|------|------|----|---|
| <b>High current male contacts for male connectors<sup>1)</sup></b>     |                                 |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>I</b> for straight crimp termination                                | 10 A<br>20 A<br>40 A            | 09 03 000 6113<br>09 03 000 6114<br>09 03 000 6115 |  <table border="1"> <thead> <tr> <th></th> <th>ø A</th> <th>ø B</th> <th>wire gauge [mm<sup>2</sup>]</th> <th>AWG</th> </tr> </thead> <tbody> <tr> <td>10 A</td> <td>1.85</td> <td>2.55</td> <td>1.5</td> <td>16</td> </tr> <tr> <td>20 A</td> <td>2.85</td> <td>3.70</td> <td>4</td> <td>12</td> </tr> <tr> <td>40 A</td> <td>4.40</td> <td>5.60</td> <td>10</td> <td>8</td> </tr> </tbody> </table>   |     | ø A | ø B  | wire gauge [mm <sup>2</sup> ] | AWG  | 10 A | 1.85     | 2.55 | 1.5 | 16 | 20 A | 2.85 | 3.70 | 4 | 12 | 40 A | 4.40 | 5.60 | 10 | 8 |
|  | ø A                             | ø B  | wire gauge [mm <sup>2</sup> ]   | AWG |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 10 A   | 1.85                            | 2.55   | 1.5   | 16  |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 20 A   | 2.85                            | 3.70   | 4   | 12  |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 40 A   | 4.40                            | 5.60   | 10  | 8   |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>II</b> for straight solder termination                              | 10 A<br>20 A<br>40 A            | 09 03 000 6101<br>09 03 000 6102<br>09 03 000 6103 |  <table border="1"> <thead> <tr> <th></th> <th>ø</th> </tr> </thead> <tbody> <tr> <td>10 A</td> <td>1.7</td> </tr> <tr> <td>20 A</td> <td>2.8</td> </tr> <tr> <td>40 A</td> <td>4.8</td> </tr> </tbody> </table>  |     | ø   | 10 A | 1.7                           | 20 A | 2.8  | 40 A     | 4.8  |     |    |      |      |      |   |    |      |      |      |    |   |
|  | ø                               |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 10 A   | 1.7                             |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 20 A   | 2.8                             |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 40 A   | 4.8                             |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| Leading contact  | 40 A                            | 09 03 000 6133                                     |    |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>III</b> for angled pcb termination                                  | max. 40 A*                      | 09 03 000 6104                                     |  <table border="1"> <thead> <tr> <th></th> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>... 6104</td> <td>17.7</td> <td>6.4</td> </tr> <tr> <td>... 6134</td> <td>18.4</td> <td>7.0</td> </tr> </tbody> </table>   |     | x   | y    | ... 6104                      | 17.7 | 6.4  | ... 6134 | 18.4 | 7.0 |    |      |      |      |   |    |      |      |      |    |   |
|  | x                               | y  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| ... 6104   | 17.7                            | 6.4  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| ... 6134   | 18.4                            | 7.0  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| Leading contact  | max. 40 A*                      | 09 03 000 6134                                     |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>IV</b> for straight pcb termination                                 | max. 40 A*<br>max. 40 A*        | 09 03 000 6110<br>09 03 000 6135                   |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| * depending on the pcb design  |                                 |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>High current female contacts for female connectors<sup>1)</sup></b> |                                 |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>V</b> for straight crimp termination                                | 10 A<br>20 A<br>40 A            | 09 03 000 6213<br>09 03 000 6214<br>09 03 000 6215 |  <table border="1"> <thead> <tr> <th></th> <th>ø A</th> <th>ø B</th> <th>wire gauge [mm<sup>2</sup>]</th> <th>AWG</th> </tr> </thead> <tbody> <tr> <td>10 A</td> <td>1.85</td> <td>2.55</td> <td>1.5</td> <td>16</td> </tr> <tr> <td>20 A</td> <td>2.80</td> <td>3.70</td> <td>4</td> <td>12</td> </tr> <tr> <td>40 A</td> <td>4.40</td> <td>5.60</td> <td>10</td> <td>8</td> </tr> </tbody> </table> |     | ø A | ø B  | wire gauge [mm <sup>2</sup> ] | AWG  | 10 A | 1.85     | 2.55 | 1.5 | 16 | 20 A | 2.80 | 3.70 | 4 | 12 | 40 A | 4.40 | 5.60 | 10 | 8 |
|  | ø A                             | ø B  | wire gauge [mm <sup>2</sup> ]   | AWG |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 10 A   | 1.85                            | 2.55   | 1.5   | 16  |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 20 A   | 2.80                            | 3.70   | 4   | 12  |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 40 A   | 4.40                            | 5.60   | 10  | 8   |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>VI</b> for straight solder termination                              | 10 A<br>20 A<br>40 A            | 09 03 000 6201<br>09 03 000 6202<br>09 03 000 6203 |  <table border="1"> <thead> <tr> <th></th> <th>ø</th> </tr> </thead> <tbody> <tr> <td>10 A</td> <td>1.7</td> </tr> <tr> <td>20 A</td> <td>2.8</td> </tr> <tr> <td>40 A</td> <td>4.8</td> </tr> </tbody> </table>  |     | ø   | 10 A | 1.7                           | 20 A | 2.8  | 40 A     | 4.8  |     |    |      |      |      |   |    |      |      |      |    |   |
|  | ø                               |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 10 A   | 1.7                             |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 20 A   | 2.8                             |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| 40 A   | 4.8                             |  |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>VII</b> for screw fixing on busbar                                  | 40 A                            | 09 03 000 6245                                     |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| <b>VIII</b> for type M-flat for press-in termination                   | 40 A                            | 09 03 000 6250                                     |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |
| for solder termination   | 40 A                            | 09 03 000 6225                                     |   |     |     |      |                               |      |      |          |      |     |    |      |      |      |   |    |      |      |      |    |   |

<sup>1)</sup> Contact resistance max. 1.5 mΩ

<sup>2)</sup> Contact resistance internal wire max. 3 mΩ