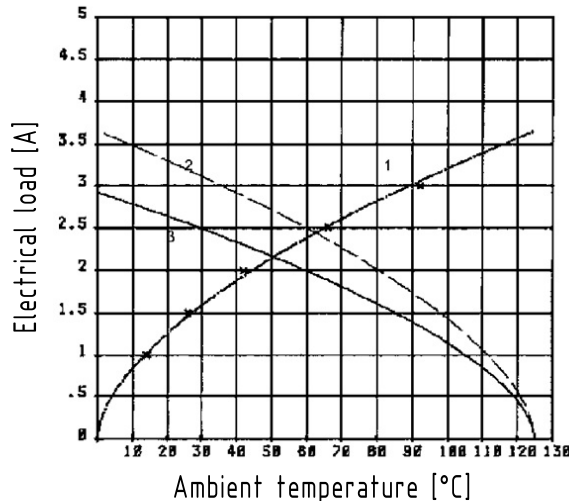


|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
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|                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                | 3 | 4 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6                                                   | 7 | 8                                        |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| A                                        | <div><div><div></div><div>SEK 18 female connector IDC</div><div><div></div><div>RoHS<br/>compliant</div><div></div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |   |   | <div><div>Cable information</div><div><table><tr><td>Wire material</td><td>Cu, tinned</td></tr><tr><td>Gauge</td><td>AWG 26/7 (0,141mm²) - 28/7 (0,089 mm²)</td></tr><tr><td>Insulation material</td><td>PVC<br/>or non-halogenated flame retardant Polyolefin (only for halogen free flat cable)</td></tr></table></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          | Wire material                               | Cu, tinned                                        | Gauge                                   | AWG 26/7 (0,141mm²) - 28/7 (0,089 mm²)      | Insulation material | PVC<br>or non-halogenated flame retardant Polyolefin (only for halogen free flat cable) | A                                            |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Wire material                            | Cu, tinned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Gauge                                    | AWG 26/7 (0,141mm²) - 28/7 (0,089 mm²)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Insulation material                      | PVC<br>or non-halogenated flame retardant Polyolefin (only for halogen free flat cable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| B                                        | <div><div>General information</div><div><table><tr><td>Design</td><td colspan="3">IEC 60603-13</td></tr><tr><td>No. of contacts</td><td colspan="3">6, 10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64</td></tr><tr><td>Contact spacing</td><td colspan="3">on PCB side 2,54 mm; on cable side 1,27 mm</td></tr><tr><td>Test voltage Ur.m.s</td><td colspan="3">1 kV</td></tr><tr><td>Working voltage</td><td colspan="3">320 V for pollution degree 1</td></tr><tr><td>Contact resistance</td><td colspan="3">max. 20mOhm</td></tr><tr><td>Insulation resistance</td><td colspan="3">min. 10⁹Ohm</td></tr><tr><td>Working current</td><td colspan="3">1 A</td></tr><tr><td>Temperature range</td><td colspan="3">-55°C ... +125°C</td></tr><tr><td>Termination technology</td><td colspan="3">IDC flat cable, 1,27 mm pitch</td></tr></table></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |   |   | Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IEC 60603-13                                        |   |                                          | No. of contacts                             | 6, 10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64 |                                         |                                             | Contact spacing     | on PCB side 2,54 mm; on cable side 1,27 mm                                              |                                              |  | Test voltage Ur.m.s                      | 1 kV                                         |  |                                          | Working voltage                              | 320 V for pollution degree 1 |                                          |  | Contact resistance | max. 20mOhm          |                 |  | Insulation resistance     | min. 10⁹Ohm       |                  |                           | Working current              | 1 A             |                           |                  | Temperature range | -55°C ... +125°C |  |  | Termination technology | IDC flat cable, 1,27 mm pitch |  |  |  |  |  |  | B |
| Design                                   | IEC 60603-13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| No. of contacts                          | 6, 10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Contact spacing                          | on PCB side 2,54 mm; on cable side 1,27 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Test voltage Ur.m.s                      | 1 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Working voltage                          | 320 V for pollution degree 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Contact resistance                       | max. 20mOhm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Insulation resistance                    | min. 10⁹Ohm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Working current                          | 1 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Temperature range                        | -55°C ... +125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Termination technology                   | IDC flat cable, 1,27 mm pitch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| C                                        | <div><div>Insertion and withdrawal forces</div><div><table><tr><td>6-pole max. 12N for PL1-2 / 18N for PL3</td><td colspan="2">; 30-pole max. 60N for PL1-2 / 90N for PL3</td></tr><tr><td>10-pole max. 20N for PL1-2 / 30N for PL3</td><td colspan="2">; 34-pole max. 68N for PL1-2 / 102N for PL3</td></tr><tr><td>14-pole max. 28N for PL1-2 / 42 for PL3</td><td colspan="2">; 40-pole max. 80N for PL1-2 / 120N for PL3</td></tr><tr><td>16-pole max. 32N for PL1-2 / 48N for PL3</td><td colspan="2">; 50-pole max. 100N for PL1-2 / 150N for PL3</td></tr><tr><td>20-pole max. 40N for PL1-2 / 60N for PL3</td><td colspan="2">; 60-pole max. 120N for PL1-2 / 180N for PL3</td></tr><tr><td>24-pole max. 48N for PL1-2 / 72N for PL3</td><td colspan="2">; 64-pole max. 128N for PL1-2 / 192N for PL3</td></tr><tr><td>26-pole max. 52N for PL1-2 / 78N for PL3</td><td colspan="2"></td></tr></table></div><div><div>Mating cycles</div><div><table><tr><td>S4 surface treatment</td><td colspan="2">min. 0,76 µm Au</td></tr><tr><td>PL 1 acc. to IEC 60603-13</td><td>500 mating cycles</td><td>10 days gas test</td></tr><tr><td>PL 2 acc. to IEC 60603-13</td><td>250 mating cycles</td><td>4 days gas test</td></tr><tr><td>PL 3 acc. to IEC 60603-13</td><td>50 mating cycles</td><td>No gas test</td></tr></table></div></div><div><div>UL file</div><div>E 102079</div></div><div><div>RoHS - compliant</div><div>Yes</div></div><div><div>Leadfree</div><div>Yes</div></div><div><div>Hot plugging</div><div>No</div></div></div> |                  |   |   | 6-pole max. 12N for PL1-2 / 18N for PL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ; 30-pole max. 60N for PL1-2 / 90N for PL3          |   | 10-pole max. 20N for PL1-2 / 30N for PL3 | ; 34-pole max. 68N for PL1-2 / 102N for PL3 |                                                   | 14-pole max. 28N for PL1-2 / 42 for PL3 | ; 40-pole max. 80N for PL1-2 / 120N for PL3 |                     | 16-pole max. 32N for PL1-2 / 48N for PL3                                                | ; 50-pole max. 100N for PL1-2 / 150N for PL3 |  | 20-pole max. 40N for PL1-2 / 60N for PL3 | ; 60-pole max. 120N for PL1-2 / 180N for PL3 |  | 24-pole max. 48N for PL1-2 / 72N for PL3 | ; 64-pole max. 128N for PL1-2 / 192N for PL3 |                              | 26-pole max. 52N for PL1-2 / 78N for PL3 |  |                    | S4 surface treatment | min. 0,76 µm Au |  | PL 1 acc. to IEC 60603-13 | 500 mating cycles | 10 days gas test | PL 2 acc. to IEC 60603-13 | 250 mating cycles            | 4 days gas test | PL 3 acc. to IEC 60603-13 | 50 mating cycles | No gas test       |                  |  |  |                        | C                             |  |  |  |  |  |  |   |
| 6-pole max. 12N for PL1-2 / 18N for PL3  | ; 30-pole max. 60N for PL1-2 / 90N for PL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| 10-pole max. 20N for PL1-2 / 30N for PL3 | ; 34-pole max. 68N for PL1-2 / 102N for PL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| 14-pole max. 28N for PL1-2 / 42 for PL3  | ; 40-pole max. 80N for PL1-2 / 120N for PL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| 16-pole max. 32N for PL1-2 / 48N for PL3 | ; 50-pole max. 100N for PL1-2 / 150N for PL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| 20-pole max. 40N for PL1-2 / 60N for PL3 | ; 60-pole max. 120N for PL1-2 / 180N for PL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| 24-pole max. 48N for PL1-2 / 72N for PL3 | ; 64-pole max. 128N for PL1-2 / 192N for PL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| 26-pole max. 52N for PL1-2 / 78N for PL3 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| S4 surface treatment                     | min. 0,76 µm Au                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| PL 1 acc. to IEC 60603-13                | 500 mating cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10 days gas test |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| PL 2 acc. to IEC 60603-13                | 250 mating cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4 days gas test  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| PL 3 acc. to IEC 60603-13                | 50 mating cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No gas test      |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| D                                        | <div><div>Insulator material</div><div><table><tr><td>Material</td><td colspan="3">PBT (thermoplastics, glass fiber reinforcement 30%)</td></tr><tr><td>Color</td><td colspan="3">Black (RAL 7001) or grey (RAL 7032)</td></tr><tr><td>UL classification</td><td colspan="3">UL94-V0</td></tr><tr><td>Material group acc. IEC 60664-1</td><td colspan="3">IIIa (175 ≤ CTI &lt; 400)</td></tr><tr><td>NF F 16-101 classification</td><td colspan="3">I3,F3</td></tr></table></div><div><div>Contact material</div><div><table><tr><td>Contact material</td><td colspan="3">Copper alloy</td></tr><tr><td>Plating termination zone</td><td colspan="3">Sn over Ni</td></tr><tr><td>Plating contact sliding side</td><td colspan="3">Au over Ni</td></tr></table></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |   |   | Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PBT (thermoplastics, glass fiber reinforcement 30%) |   |                                          | Color                                       | Black (RAL 7001) or grey (RAL 7032)               |                                         |                                             | UL classification   | UL94-V0                                                                                 |                                              |  | Material group acc. IEC 60664-1          | IIIa (175 ≤ CTI < 400)                       |  |                                          | NF F 16-101 classification                   | I3,F3                        |                                          |  | Contact material   | Copper alloy         |                 |  | Plating termination zone  | Sn over Ni        |                  |                           | Plating contact sliding side | Au over Ni      |                           |                  |                   |                  |  |  | D                      |                               |  |  |  |  |  |  |   |
| Material                                 | PBT (thermoplastics, glass fiber reinforcement 30%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Color                                    | Black (RAL 7001) or grey (RAL 7032)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| UL classification                        | UL94-V0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Material group acc. IEC 60664-1          | IIIa (175 ≤ CTI < 400)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| NF F 16-101 classification               | I3,F3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Contact material                         | Copper alloy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Plating termination zone                 | Sn over Ni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| Plating contact sliding side             | Au over Ni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| E                                        | <div><div>Derating diagram acc to IEC 60512-2 (Current carrying capacity)</div><div><div><div>The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.<br/>The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given without exceeding the maximum temperature.<br/>Control and test procedures according to DIN IEC 60512.</div><div><div>1) Temperature rise<br/>2) Derating<br/>3) Derating curve at I max x 0.8(IEC 60512-2)</div><div></div></div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |   |                                          | E                                           |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
| F                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |   |   | <div><div><div><div></div><div>All rights reserved</div><div>Department EC PD - DE</div></div><div><div>HARTING Electronics GmbH</div><div>D-32339 Espelkamp</div></div></div><div><div><div><div>All Dimensions in mm<br/>Original Size DIN A3</div></div><div><div>Scale<br/>1:1</div><div>Free size tol.</div></div></div><div><div>Created by<br/>STORCK</div><div>Inspected by<br/>LEHNERT</div><div>Standardisation<br/>HOFFMANN</div></div><div><div>Date<br/>2016-09-05</div><div>State<br/>Final Release</div></div></div><div><div>Title<br/>SEK 18 female connector IDC</div><div>Type<br/>DS</div><div>Number<br/>09182100600</div></div><div><div>Doc-Key / ECM-Nr.<br/>100661764/UGD/000/B<br/>500000107692</div><div>Rev.<br/>B</div><div>Page<br/>1/1</div></div></div> |                                                     |   |                                          | F                                           |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |
|                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                | 3 | 4 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6                                                   | 7 | 8                                        |                                             |                                                   |                                         |                                             |                     |                                                                                         |                                              |  |                                          |                                              |  |                                          |                                              |                              |                                          |  |                    |                      |                 |  |                           |                   |                  |                           |                              |                 |                           |                  |                   |                  |  |  |                        |                               |  |  |  |  |  |  |   |

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

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- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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