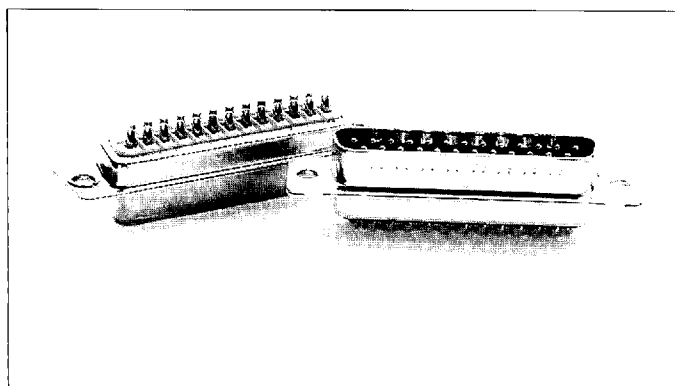
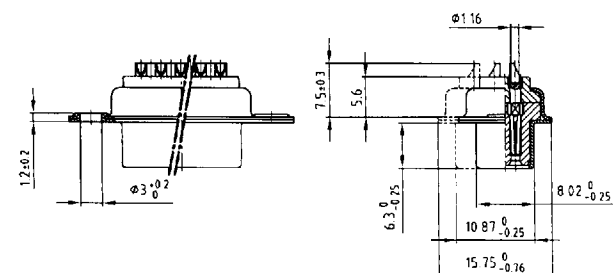
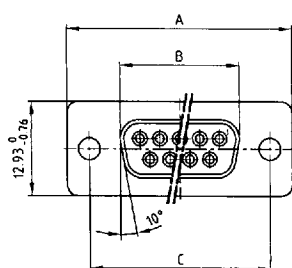
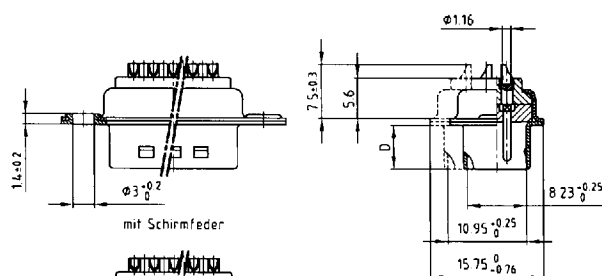
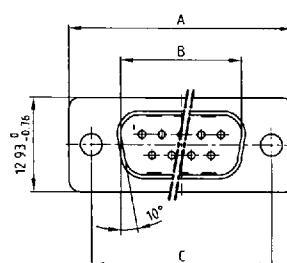




Socket connector



### Plug connector



ohne Schirmfeder

Kat 1 i F3A

| No. of pos. | A - 0.76 | B - 0.25 | C                      |
|-------------|----------|----------|------------------------|
| 9           | 31,19    | 16,46    | 25,00 - 0.12<br>- 0.13 |
| 15          | 39,52    | 24,79    | 33,30 - 0.15<br>- 0.16 |
| 25          | 53,42    | 38,50    | 47,04 - 0.13           |
| 37          | 69,70    | 54,96    | 63,50 - 0.13           |
| 50          | 67,31    | 52,55    | 61,10 - 0.14           |

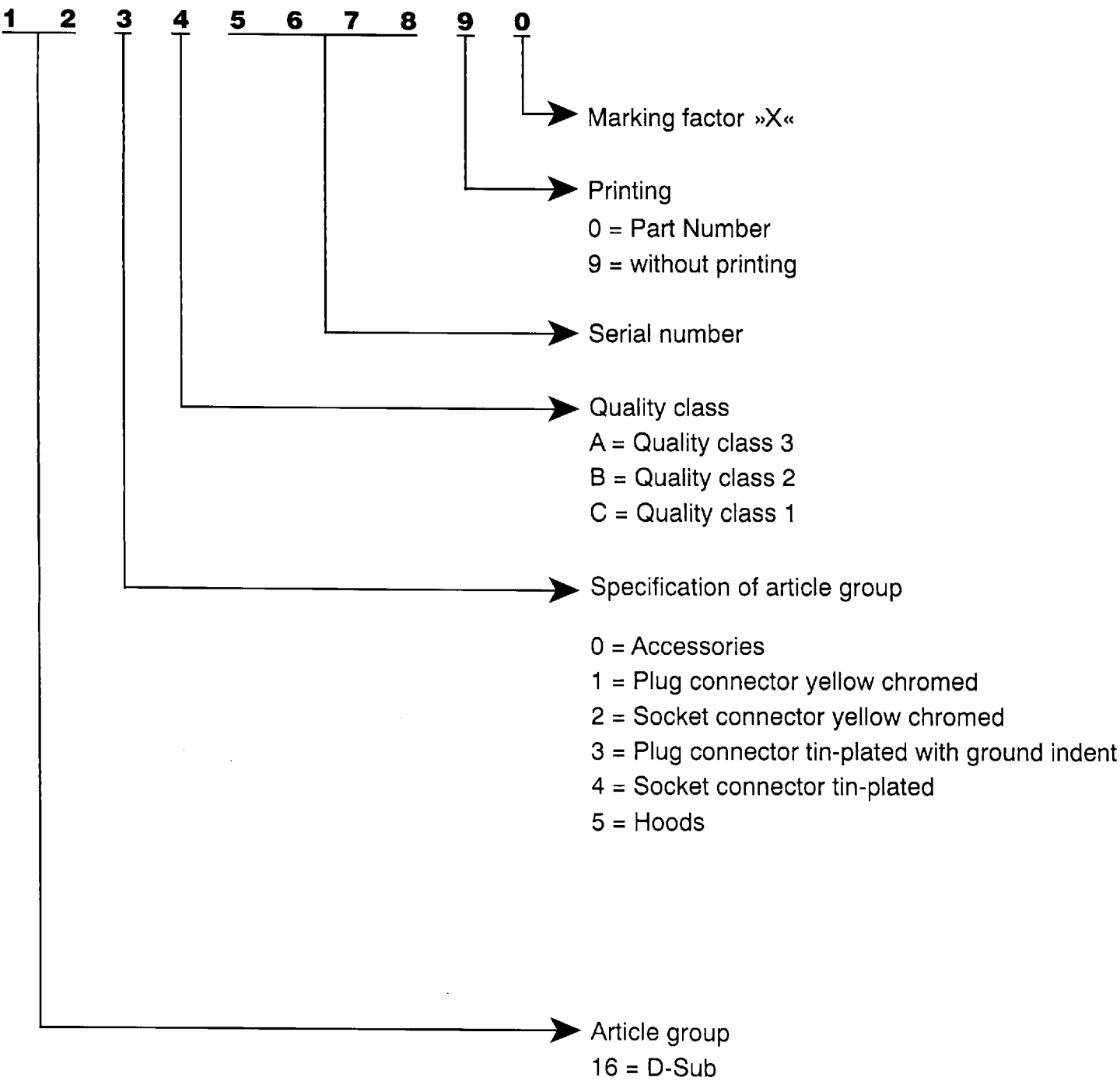
| No. of pos. | A - 0.75 | B + 0.25 | C                                       | D - 0.30 |
|-------------|----------|----------|-----------------------------------------|----------|
| 9           | 31,19    | 16,79    | 25,00 <sup>-0.12</sup> <sub>-0.13</sub> | 6,12     |
| 15          | 39,52    | 25,12    | 33,30 <sup>+0.15</sup> <sub>-0.10</sub> | 6,12     |
| 25          | 53,42    | 38,84    | 47,04 <sup>+0.13</sup> <sub>-0.13</sub> | 5,99     |
| 37          | 69,70    | 55,30    | 63,50 <sup>+0.13</sup> <sub>-0.13</sub> | 5,99     |
| 50          | 67,31    | 52,68    | 61,10 <sup>+0.14</sup> <sub>-0.14</sub> | 5,99     |

| No. of Pos. | Socket connector – solder cup      |                                      |
|-------------|------------------------------------|--------------------------------------|
|             | yellow zinc                        | tin-plated                           |
| 9           | CDF 09 LRE<br><b>162 A 17789 X</b> | CDF 09 LRESN<br><b>164 A 17789 X</b> |
| 15          | CDF 15 LRE<br><b>162 A 17799 X</b> | CDF 15 LRESN<br><b>164 A 17799 X</b> |
| 25          | CDF 25 LRE<br><b>162 A 17809 X</b> | CDF 25 LRESN<br><b>164 A 17809 X</b> |
| 37          | CDF 37 LRE<br><b>162 A 17819 X</b> | CDF 37 LRESN<br><b>164 A 17819 X</b> |
| 50          | CDF 50 LRE<br><b>162 A 17829 X</b> | CDF 50 LRESN<br><b>164 A 17829 X</b> |

| No. of Pos. | Plug connector – solder cup        |                                       |
|-------------|------------------------------------|---------------------------------------|
|             | yellow zinc without ground indent  | tin-plated with ground indent         |
| 9           | CDS 09 LRE<br><b>161 A 17379 X</b> | CDS 09 LFRESN<br><b>163 A 17379 X</b> |
| 15          | CDS 15 LRE<br><b>161 A 17389 X</b> | CDS 15 LFRESN<br><b>163 A 17389 X</b> |
| 25          | CDS 25 LRE<br><b>161 A 17399 X</b> | CDS 25 LFRESN<br><b>163 A 17399 X</b> |
| 37          | CDS 37 LRE<br><b>161 A 17409 X</b> | CDS 37 LFRESN<br><b>163 A 17409 X</b> |
| 50          | CDS 50 LRE<br><b>161 A 17419 X</b> | CDS 50 LFRESN<br><b>163 A 17419 X</b> |



Part Number



Order example

| Plug connector Solder bucket 25 pos. without printing |  |             |               |
|-------------------------------------------------------|--|-------------|---------------|
| Quality class                                         |  | Part Number |               |
| 3                                                     |  | CDS 25 L    | 161 A 10039 X |
| 2                                                     |  | CDS 25 L    | 161 B 10039 X |
| 1                                                     |  | CDS 25 L    | 161 C 10039 X |

| Technical Data                                                          | D-Sub Standard                                                                                         | D-Sub High Density                                                                                       |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Initial contact resistance                                              | ≤ 10 mΩ                                                                                                | ≤ 10 mΩ                                                                                                  |
| Initial insulation resistance                                           | Quality class 1 ≥ 5GΩ<br>Quality class 2 ≥ 5GΩ<br>Quality class 3 ≥ 5GΩ                                | Quality class 1 ≥ 5GΩ<br>Quality class 2 ≥ 5GΩ<br>Quality class 3 ≥ 5GΩ                                  |
| Clearance distance                                                      | contact–contact ≥ 1.0 mm<br>contact–ground ≥ 1.2 mm                                                    | ≥ 0.6 mm                                                                                                 |
| Creepage distance                                                       | contact–contact ≥ 1.0 mm<br>contact–ground ≥ 1.2 mm                                                    | ≥ 0.6 mm                                                                                                 |
| Test voltage V. r. m. s./NM                                             | 1000 V                                                                                                 | 1000 V                                                                                                   |
| Working voltage/Insulation group*<br>* nach SEV 50 V – acc. to SEV 50 V | 125 V ≈                                                                                                | 60 V ≈                                                                                                   |
| Working current 20° C                                                   | 5 A max.                                                                                               | 25 A max.                                                                                                |
| Operating temperature                                                   | - 55° C – + 125° C                                                                                     | - 55° C – + 125° C                                                                                       |
| Moulding material                                                       | Polyester GF UL 94 V-O                                                                                 | PA 6.6 GF 25 UL 94 V-O                                                                                   |
| Contact material                                                        | Copper alloy                                                                                           | Copper alloy                                                                                             |
| Contact finish                                                          | hard-gold-plated over nickel                                                                           | hard-gold-plated over nickel                                                                             |
| Shell                                                                   | Sheet steel, zinc lined and yellow chromate<br>Sheet steel, nickel underneath and tin-plated           | Sheet steel, nickel underneath and tin-plated                                                            |
| Insertion and withdrawal froces                                         | 9-polig/way 30 N<br>15-polig/way 50 N<br>25-polig/way 83 N<br>37-polig/way 123 N<br>50-polig/way 167 N | 15-polig/way 50 N<br>26-polig/way 84 N<br>44-polig/way 120 N<br>62-polig/way 170 N<br>78-polig/way 200 N |
| Quality classes                                                         | Quality class 1<br>Quality class 2<br>Quality class 3                                                  | 500 mating cycles<br>200 mating cycles<br>50 mating cycles                                               |