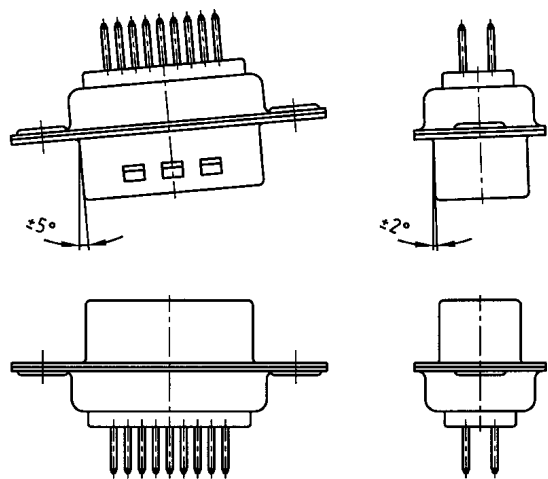
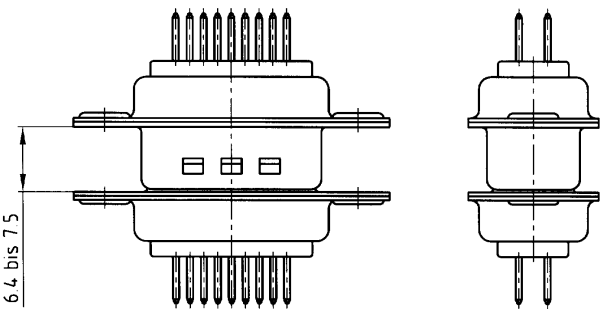


# MATING CONDITIONS

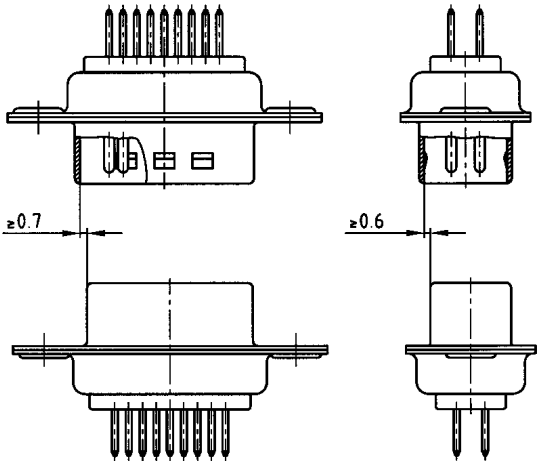
Float mount tolerance guide



Rigid mount vertical to tolerance guide



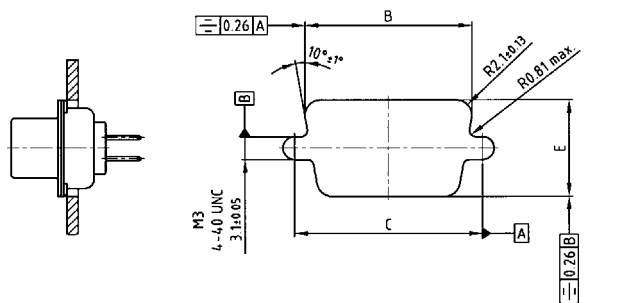
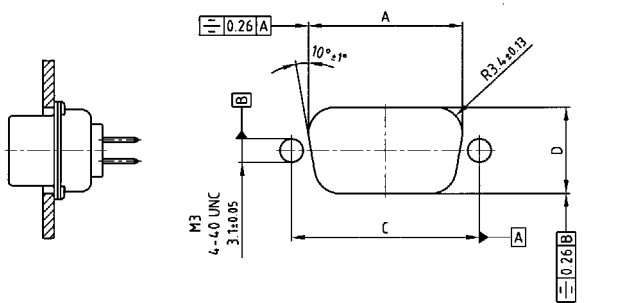
Rigid mount tolerance guide



PANEL CUT-OUT

Rear panel mounting

Front panel mounting



| Shell size |    | A ± 0,13 | B ± 0,13 | C ± 0,13 | D ± 0,13 | E ± 0,13 |
|------------|----|----------|----------|----------|----------|----------|
| 9          | 15 | 20.50    | 22.20    | 25.00    | 11.40    | 13.00    |
| 15         | 26 | 28.80    | 30.50    | 33.30    | 11.40    | 13.00    |
| 25         | 44 | 42.50    | 44.30    | 47.04    | 11.40    | 13.00    |
| 37         | 62 | 59.10    | 60.70    | 63.50    | 11.40    | 13.00    |
| 50         | 78 | 56.30    | 61.10    | 61.10    | 11.40    | 15.80    |

# TECHNICAL DATA

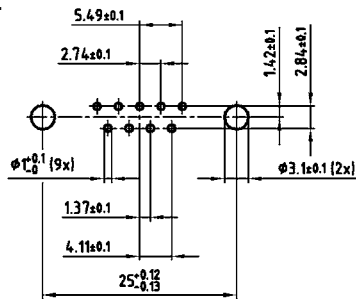
| Materials                                 | D-Subminiature, Standard<br>9, 15, 25, 37 and 50 position                                                                    | D-Subminiature, High Density<br>15, 26, 44, 62 and 78 position                           |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Insulator                                 | Polyester GF UL94 V-0                                                                                                        |                                                                                          |
| Contacts                                  | CU alloy                                                                                                                     |                                                                                          |
| Contact plating                           | Gold plated over nickel                                                                                                      |                                                                                          |
| Shell                                     | Steel tin plated / brass tin plated / stainless steel                                                                        |                                                                                          |
| Mechanical and electrical characteristics |                                                                                                                              |                                                                                          |
| Test voltage U eff / NN                   | 1000 V                                                                                                                       |                                                                                          |
| Working voltage                           | 125 V ≈<br>Depending on isolation coordination (refer to DIN VDE 0110 / IEC 664-1)                                           | 60 V ≈                                                                                   |
| Current rating                            | 7,5 A (UL) / 5 A (CSA,VDE)                                                                                                   | 3 A (UL,VDE) / 2,5 A (CSA)                                                               |
| Contact resistance                        | Max. 10 mΩ prior to stressing, Δ R max. 10 mΩ after stressing<br>per DIN 41652, Part 2                                       |                                                                                          |
| Insulation resistance                     | ≥5 GΩ                                                                                                                        |                                                                                          |
| Clearance and creepage distance           | Contact – contact ≥ .004"/1.0 mm<br>Contact – earth ≥ .047"/1.2 mm                                                           | ≥ .024"/0,6 mm                                                                           |
| Operating temperature                     | - 55 °C to + 125 °C                                                                                                          |                                                                                          |
| Mating and unmating forces                | 9 pos. ≤ 30 N<br>15 pos. ≤ 50 N<br>25 pos. ≤ 83 N<br>37 pos. ≤ 123 N<br>50 pos. ≤ 167 N                                      | 15 pos. ≤ 50 N<br>26 pos. ≤ 84 N<br>44 pos. ≤ 120 N<br>62 pos. ≤ 70 N<br>78 pos. ≤ 200 N |
| Quality class                             | A = Quality class 3 = 50 mating cycles<br>B = Quality class 2 = 200 mating cycles<br>C = Quality class 1 = 500 mating cycles |                                                                                          |

Technical alterations are subject to change without notice.

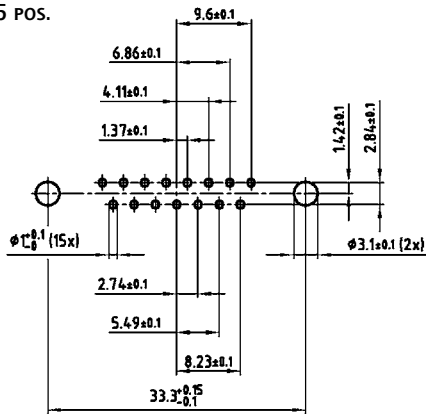
# PCB LAYOUT, D-SUB STANDARD

Solder pin, straight – Plug and Socket connector

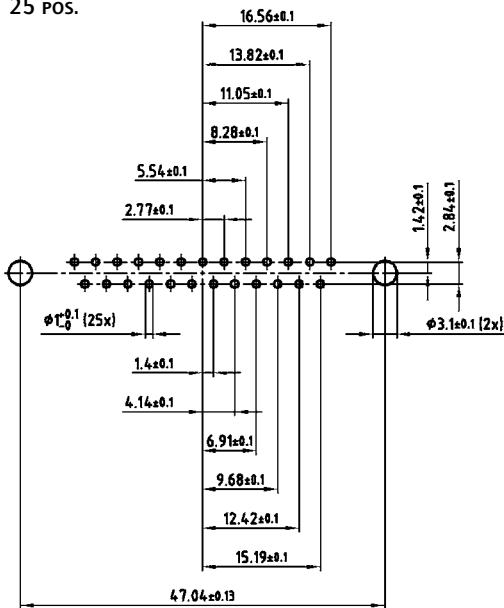
9 POS.



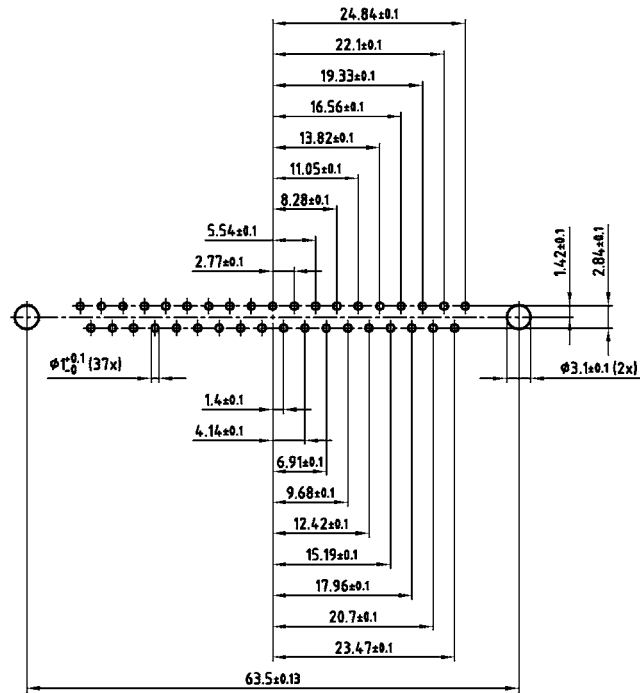
15 POS.



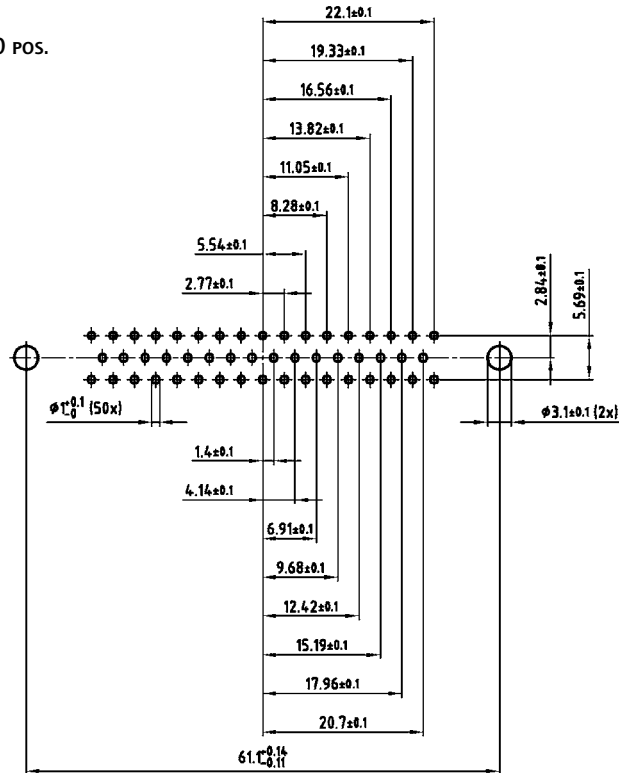
25 POS.



37 POS.



50 POS.



PCB layout Kat1kFUA (View: component side)