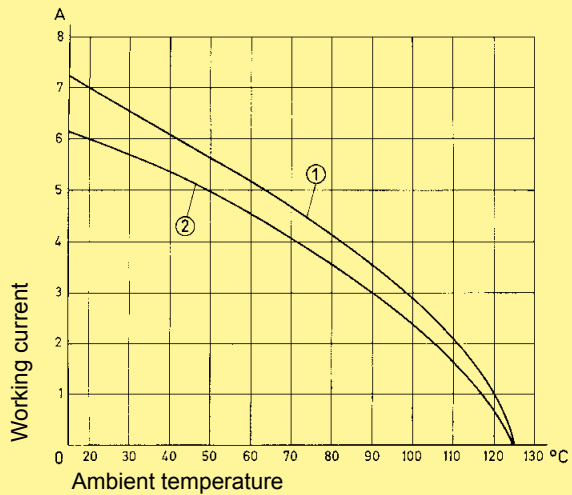


Number of contacts	9, 15, 25, 37, 50 UL recognized
Working current	see current carrying capacity chart
Turned contacts	7.5 A max.
Stamped contacts	6.5 A max.
Test voltage $U_{r.m.s.}$	1 kV
Clearance and creepage	≥ 1.0 mm
Contact resistance	≤ 10 m Ω
Insulation resistance	$\geq 10^{10}$ Ω
Temperature range	-55 °C ... + 125 °C The higher temperature limit includes the local ambient and heating effect of the contacts under load
Terminations	a) Solder pins \varnothing 0.6 mm for P.C.B. holes \varnothing 0.8/1 mm b) Solder pins, angled 90° \varnothing 0.6 mm for P.C.B. holes \varnothing 1 mm
Materials	
Mouldings and hoods	Thermoplastic resin, glass-fibre filled (PBTP), UL 94-V0
Contacts	Copper alloy
Contact surface	
Contact zone	selectively plated according to performance level ¹⁾
Metal shell	Plated steel
Insertion and withdrawal force	
Connector on P.C.B.	
Solder, straight with clips	
- insertion max. per connector:	60 N
- withdrawal min. per connector:	10 N
Mating force	
9 way	≤ 30 N
15 way	≤ 50 N
25 way	≤ 83 N
37 way	≤ 123 N
50 way	≤ 167 N

Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. 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.

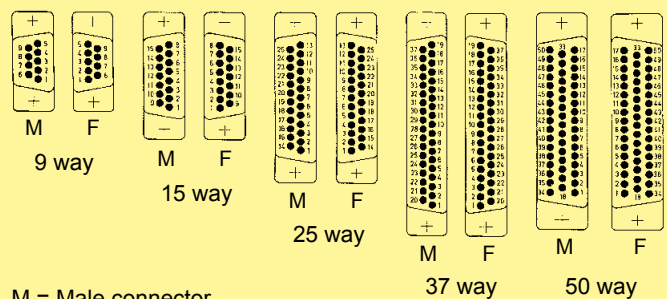
Control and test procedures according to DIN IEC 60 512.



Example: 25 way connector

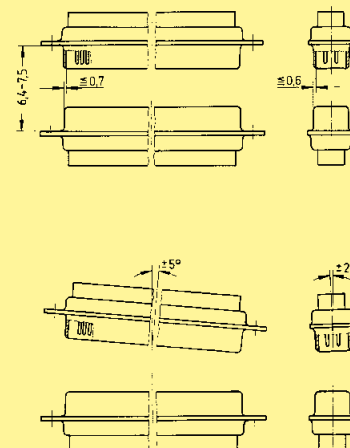
- ① Turned contacts
- ② Stamped contacts

Contact arrangement View from termination side



M = Male connector
F = Female connector

Mating conditions as per DIN 41 652



¹⁾ Performance level 3, 50 mating cycles, no gas test
Performance level 2 as per CECC 75 301-802, 250 mating cycles, 4 days 4 mixed gas test – IEC 60 512
Performance level 1 as per CECC 75 301-802, 500 mating cycles, 10 days 4 mixed gas test – IEC 60 512