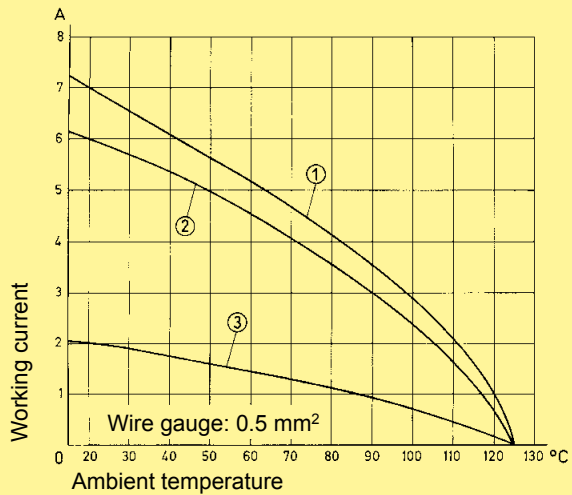


Number of contacts	9, 15, 25, 37, 50 UL recognized
Working current	see current carrying capacity chart Turned contacts 7.5 A max. Stamped contacts 6.5 A max. Insulation displacement 2 A max.
Test voltage $U_{r.m.s.}$	1 kV
Clearance and creepage	≥ 1.0 mm ≥ 0.7 mm (insulation displacement)
Contact resistance	≤ 10 m Ω
Insulation resistance	$\geq 10^{10}$ Ω
Temperature range	turned version -55 °C ... + 125 °C stamped solder -40 °C ... + 85 °C bucket version
Terminations	a) Solder buckets AWG 20 b) Stamped crimp contacts AWG 28-24 0.09-0.25 mm ² max. insulation \varnothing 1.02 mm AWG 24-20 0.25-0.56 mm ² max. insulation \varnothing 1.52 mm c) Turned crimp contacts AWG 22-18 0.33-0.82 mm ² AWG 24-20 0.25-0.52 mm ² AWG 26-22 0.13-0.33 mm ² AWG 28-24 0.09-0.25 mm ² max. insulation \varnothing 2.15 mm d) Insulation displacement AWG 28/7 and AWG 26/7 e) Wrap posts 0.6 x 0.6 mm diagonal 0.8-0.86 mm length 13 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
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

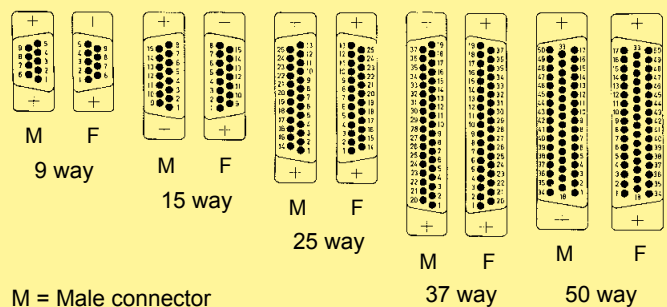
The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature. Control and test procedures according to DIN IEC 60 512.



Example: 25 way connector

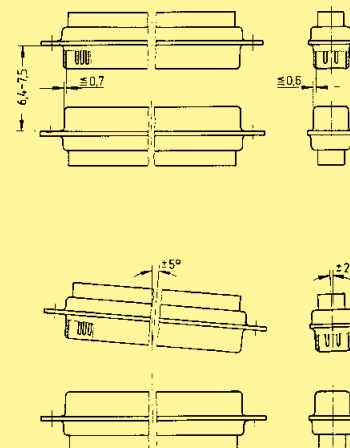
- ① Turned contacts
- ② Stamped contacts
- ③ Insulation displacement contacts

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