

| | |
|---|--|
| Number of contacts | 16-96 |
| Contact spacing (mm) | 2.54 |
| Working current | 2 A max. see current carrying capacity chart |
| Clearance | ≥ 1.2 mm |
| Creepage | ≥ 1.2 mm |
| Working voltage | according to the safety regulations of the equipment Explanations see chapter 00 |
| Test voltage $U_{r.m.s.}$ | 1 kV |
| Contact resistance | ≤ 15 mΩ for wire wrap connection ≤ 20 mΩ including crimp connection |
| Insulation resistance | ≥ 10 ¹² Ω |
| Temperature range | - 55 °C ... + 125 °C The higher temperature limit includes the local ambient and heating effects of the contacts under load |
| Degree of protection for crimp terminal IP 20 | according to DIN 40 050 |
| Electrical termination | |
| Male connector | Solder pins for pcb connections Ø 1.0 ± 0.1 mm according to IEC 60 326-3 wrap posts 0.6 x 0.6 mm diagonal 0.79-0.86 mm |
| Female connector | wrap posts 0.6 x 0.6 mm diagonal 0.79-0.86 mm Solder pins for pcb connections Ø 1.0 ± 0.1 mm according to IEC 60 326-3 Crimp terminal 0.09-0.5 mm ² Insulation displacement connection AWG 28/7 |
| Insertion and withdrawal force | 16way ≤ 15 N 30way ≤ 30 N 32way ≤ 30 N 48way ≤ 45 N 64way ≤ 60 N 96way ≤ 90 N |
| Materials | |
| Mouldings | Thermoplastic resin, glass-fibre filled, UL 94-V0 |
| Contacts | Copper alloy |
| Contact surface | |
| Contact zone | Selectively plated according to performance level ¹⁾ |

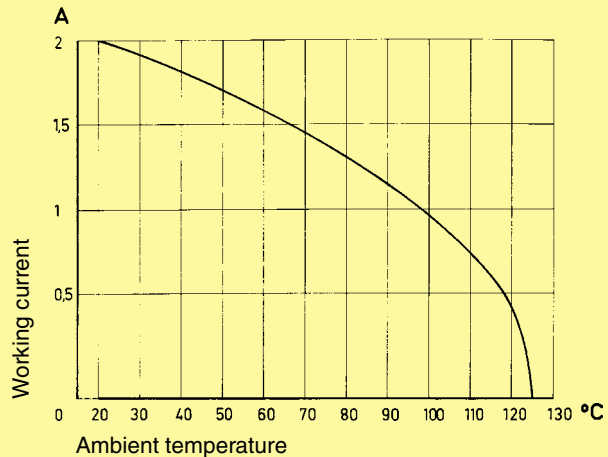
¹⁾ Explanation performance levels see chapter 00

Mating conditions see chapter 00

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, non 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



Pin shroud for female connectors with 0.6 x 0.6 mm pins

A secure interfacing system for signals from the rear of 19" racks to connectors with wrap posts 0.6 x 0.6 mm is possible with the use of a pin shroud.

The pin shroud protects the wrap posts on the rear side of the rack and can be screwed to the printed circuit board.

After assembly the rear ends of the wire wrap posts become the mating areas of the type C resp. type 2C male connector.

This system can now accept:

- female connectors type C
- female connectors type 2C
- female connectors type R
- female connectors type 2R

The locking levers provide security for the mated connectors. Fast and simple disconnection is possible (see application examples, pages 01.42 and 01.43).

Fitting and removing crimp contacts

see technical characteristics chapter 02