

Number of contacts	16-96
Contact spacing (mm)	2.54
Working current see current carrying capacity chart	2 A max. 1 A with insulation displacement 40 A max. type M
Clearance	≥ 1.2 mm
Creepage	≥ 1.2 mm
Working voltage The working voltage also depends on the clearance and creepage dimensions of the pcb itself, and the associated wiring	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 The higher temperature limit includes the local ambient and heating effects of the contacts under load	- 65 °C ... + 125 °C
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 For pcb connection Ø 0.8 + 0.3 mm on request 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 For pcb connection Ø 0.8 + 0.3 mm on request Solder lugs Crimp terminal 0.09-0.5 mm ² Insulation displacement connection AWG 28/7

Insertion and withdrawal force	16way ≤ 15 N 32way ≤ 30 N 48way ≤ 45 N 64way ≤ 60 N 96way ≤ 90 N
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Materials	
Mouldings	Thermoplastic resin, glass-fibre filled, UL 94-V0
Contacts	Copper alloy
Contact surface	Contact zone: selectively plated according to performance level ¹⁾ Termination zone: tinned Wrap posts: selectively gold-plated on request

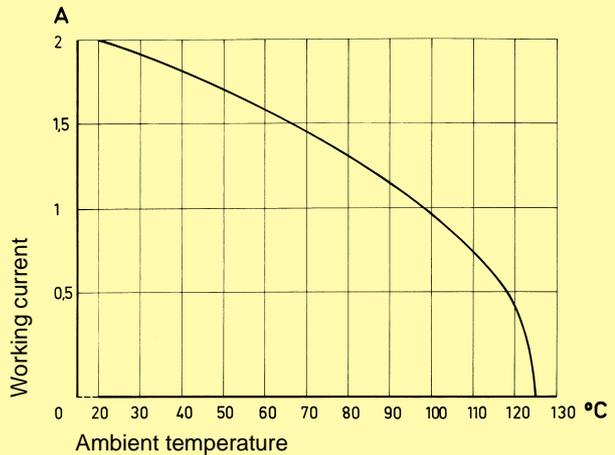
¹⁾ Explanation performance levels see chapter 00

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 according to DIN 41 612

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 male connector according to DIN 41 612.

This system can now accept:

- female connectors type C
- female connectors type R

The locking levers provide security for the mated connectors. Fast and simple disconnection is possible.

Fitting and removing crimp contacts

see technical characteristics chapter 02

Types
signal to 2 A

Number of contacts

96, 64, 32



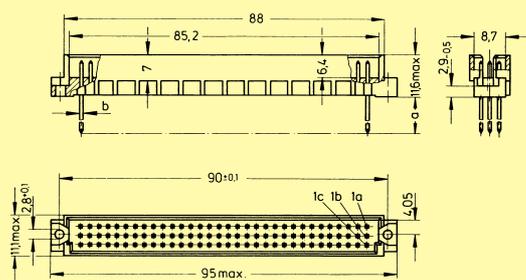
Male connectors

Identification	Number of contacts	Contact arrangement	Part No.	Performance levels according to DIN 41 612. Explanation chapter 00	3	2	1
Male connector with solder pins 2.5 mm	96		09 73 196 7902		09 73 196 6902	09 73 196 2902	
	94 + 2 [▲]		09 73 196 7952		09 73 196 6952	09 73 196 2952	
	64		09 73 164 7902		09 73 164 6902	09 73 164 2902	
	32		09 73 132 7902		09 73 132 6902	09 73 132 2902	
Male connector with solder pins 4.0 mm	96		09 73 196 7903		09 73 196 6903	09 73 196 2903	
	94 + 2 [▲]		09 73 196 7953		09 73 196 6953	09 73 196 2953	
	64		09 73 164 7903		09 73 164 6903	09 73 164 2903	
	32		09 73 132 7903		09 73 132 6903	09 73 132 2903	
Male connector with wrap posts 13 mm	96		09 73 196 7907		09 73 196 6907	09 73 196 2907	
	94 + 2 [▲]		09 73 196 7957		09 73 196 6957	09 73 196 2957	
	64		09 73 164 7907		09 73 164 6907	09 73 164 2907	
	32		09 73 132 7907		09 73 132 6907	09 73 132 2907	
Male connector with wrap posts 13 mm	96		09 73 132 7912		09 73 132 6912	09 73 132 2912	
	94 + 2 [▲]		09 73 132 7913		09 73 132 6913	09 73 132 2913	
	64		09 73 132 7917		09 73 132 6917	09 73 132 2917	
	32						

Male connector with press-in pins

Part Nos. and variants see chapter 04

Dimensions



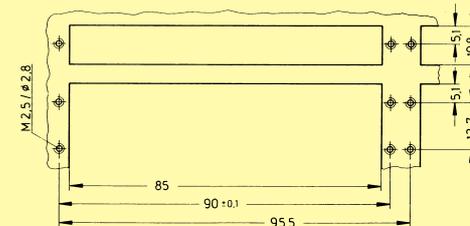
a	b
2.5	∅ 0.7
4	

Solder pins

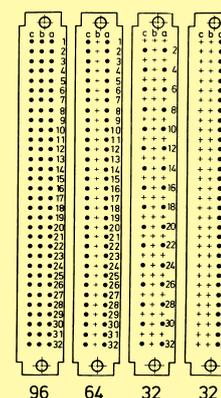
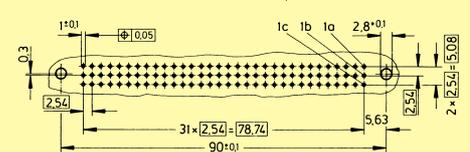
a	b
13	□ 0.6

Wrap posts

Panel cut out



Board drillings



Contact arrangement
View from termination side

Dimensions in mm

▲ Male connectors with 2 leading contacts [(0.8 mm) pos. a1 and a32]
Other contact arrangements on request

Number of contacts

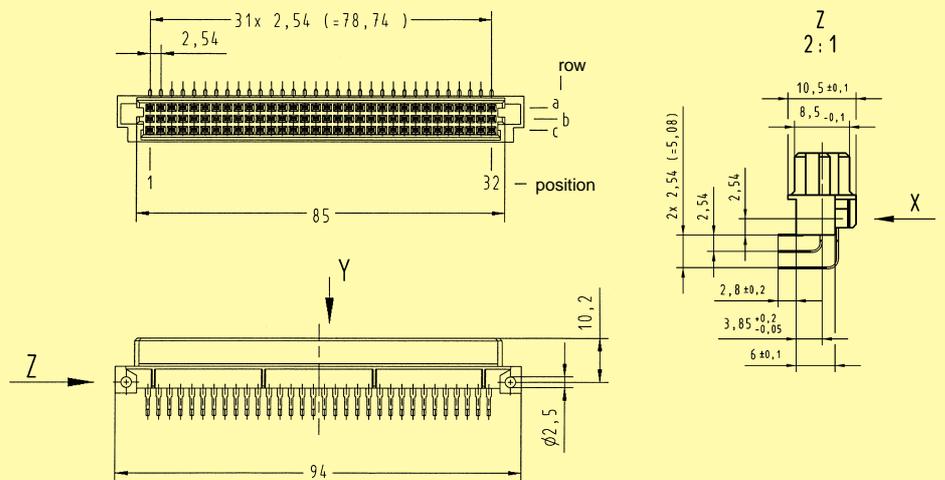
96, 64, 32



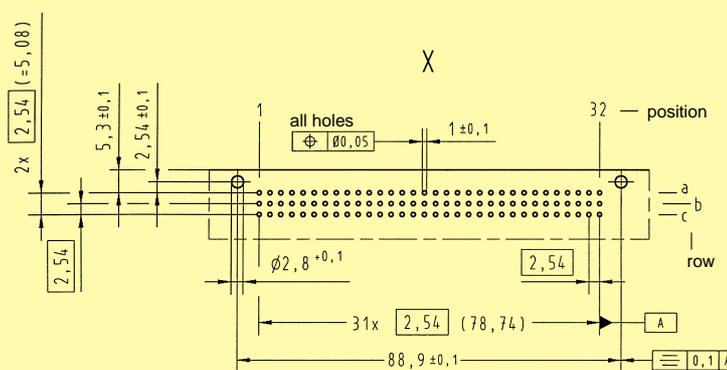
Female connectors

Identification	Number of contacts	Contact arrangement	Part No. Performance levels according to DIN 41 612. Explanation chapter 00		
			3	2	1
Female connector with angled solder pins	96		09 73 296 7801	09 73 296 6801	09 73 296 2801
	64		09 73 264 7801	09 73 264 6801	09 73 264 2801
	32		09 73 232 7801	09 73 232 6801	09 73 232 2801
	32		09 73 232 7811	09 73 232 6811	09 73 232 2811

Dimensions



Board drillings



Dimensions in mm