

Number of contacts 9, 15, 25, 37  
UL recognized

Working current 7.5 A max.

Test voltage  $U_{r.m.s.}$  1 kV

Contact resistance  $\leq 10 \text{ m}\Omega$   
Insulation resistance  $\geq 1000 \text{ M}\Omega$

Temperature range  $-55^\circ\text{C} \dots +125^\circ\text{C}$   
Heat deflection temperature  
limit according to DIN 53 461  $+255^\circ\text{C}$

Terminations  
a) Solder buckets max.  $0.8 \text{ mm}^2$   
b) Solder pins  $\varnothing 0.6 \text{ mm}$  for  
P.C.B. holes  $\varnothing 0.8/1 \text{ mm}$   
c) Solder pins, angled  $90^\circ$   
 $\varnothing 0.6 \text{ mm}$  for P.C.B. holes  
 $\varnothing 0.8/1 \text{ mm}$

Materials  
Insulation PCT, glass-fibre filled,  
flame retardant acc. to  
UL 94-V0  
Colour: natural

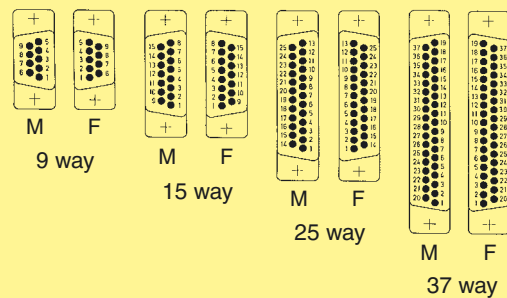
Contacts Copper alloy  
Male and female contacts  
are turned

Contact surface  
Contact zone Selectively plated according  
to performance level

Performance level Performance level 2, as per  
CECC 75 301-802,  
250 mating cycles,  
4 days 4 mixed gas test –  
IEC 60 512

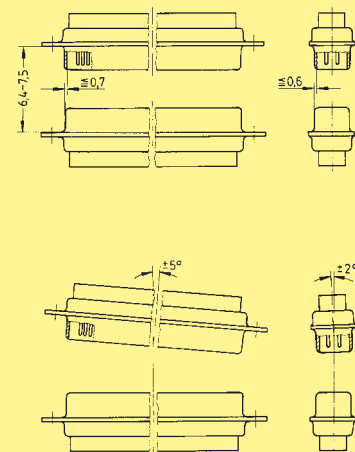
Metal shell Steel

Contact arrangement  
View from termination side



M = Male connector  
F = Female connector

Mating conditions as per CECC 75 301



## Attenuation characteristics for standard capacitance values

## Min. insertion loss

| Capacitance [pF] <sup>1)</sup> | Attenuation (in dB) vs. frequency [MHz] |   |    |    |     |     |      |
|--------------------------------|-----------------------------------------|---|----|----|-----|-----|------|
|                                | 1                                       | 5 | 10 | 50 | 100 | 500 | 1000 |
| 47                             |                                         |   |    |    |     | 30  | 35   |
| 470                            |                                         |   | 1  | 11 | 16  | 35  | 32   |
| 1000                           |                                         | 1 | 3  | 12 | 24  | 38  | 30   |
| 3900                           | 1                                       | 6 | 11 | 25 | 35  | 38  | 32   |

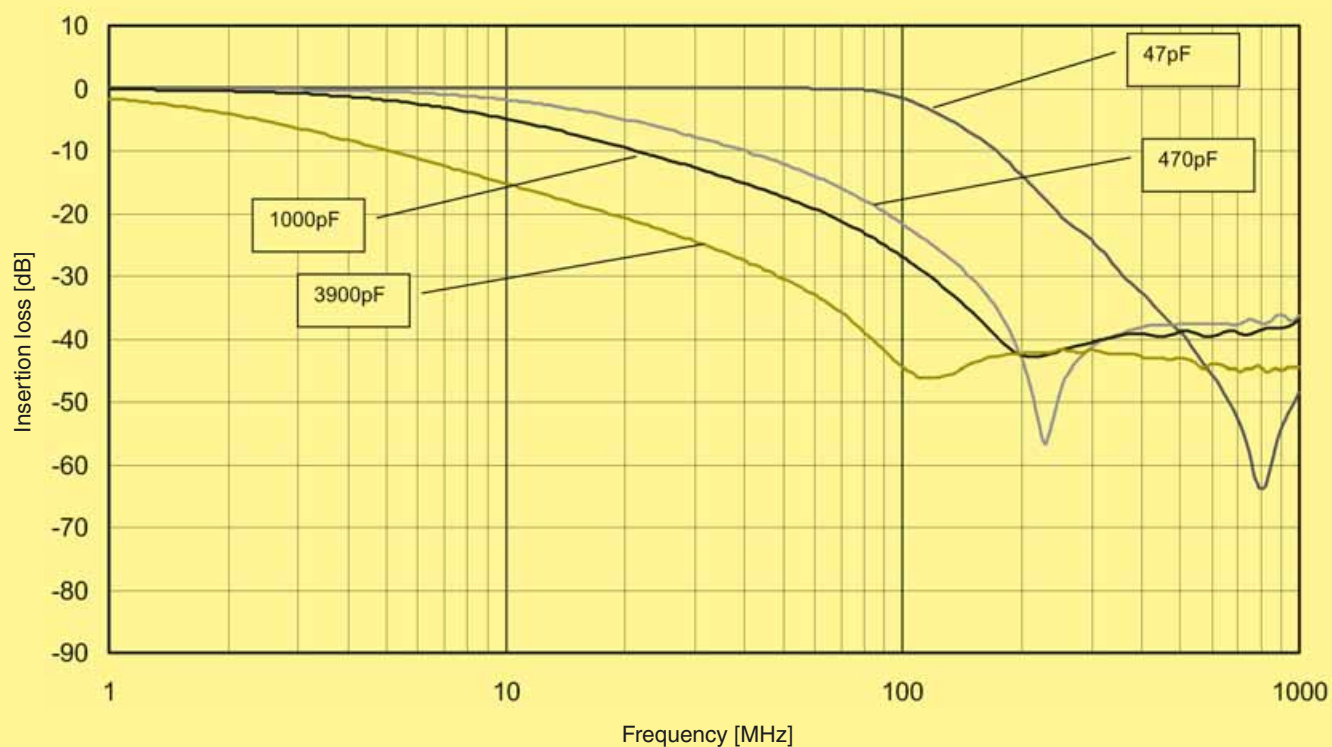
<sup>1)</sup> Capacitance tolerance =  $\pm 20\%$  (For other capacitor values see pages 05.30 ff).

Measured in 50  $\Omega$  system according to MIL-STD-220, no load.

**Working voltage:** 100 V max for standard capacitance values – higher working voltages are available as specific.

**Dielectric withstanding voltage:** 250 V DC max. – higher dielectric withstanding voltages are available as specific (see page 05.30)

## Typical insertion loss for different filters (measured)



Number of contacts

9–37



Solder buckets, through hole

| Identification                             | No. of contacts | Part No.        |                   |
|--------------------------------------------|-----------------|-----------------|-------------------|
|                                            |                 | male connectors | female connectors |
| Connectors with<br><b>47 pF</b> C filter   | 9               | 09 64 121 7210  | 09 64 111 7210    |
|                                            | 15              | 09 64 221 7210  | 09 64 211 7210    |
|                                            | 25              | 09 64 321 7210  | 09 64 311 7210    |
|                                            | 37              | 09 64 421 7210  | 09 64 411 7210    |
|                                            |                 |                 |                   |
| Connectors with<br><b>470 pF</b> C filter  | 9               | 09 64 121 7220  | 09 64 111 7220    |
|                                            | 15              | 09 64 221 7220  | 09 64 211 7220    |
|                                            | 25              | 09 64 321 7220  | 09 64 311 7220    |
|                                            | 37              | 09 64 421 7220  | 09 64 411 7220    |
|                                            |                 |                 |                   |
| Connectors with<br><b>1000 pF</b> C filter | 9               | 09 64 121 7230  | 09 64 111 7230    |
|                                            | 15              | 09 64 221 7230  | 09 64 211 7230    |
|                                            | 25              | 09 64 321 7230  | 09 64 311 7230    |
|                                            | 37              | 09 64 421 7230  | 09 64 411 7230    |
|                                            |                 |                 |                   |
| Connectors with<br><b>3900 pF</b> C filter | 9               | 09 64 121 7240  | 09 64 111 7240    |
|                                            | 15              | 09 64 221 7240  | 09 64 211 7240    |
|                                            | 25              | 09 64 321 7240  | 09 64 311 7240    |
|                                            | 37              | 09 64 421 7240  | 09 64 411 7240    |
|                                            |                 |                 |                   |

Number of contacts

9–37



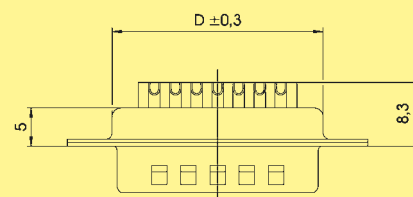
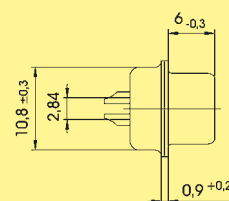
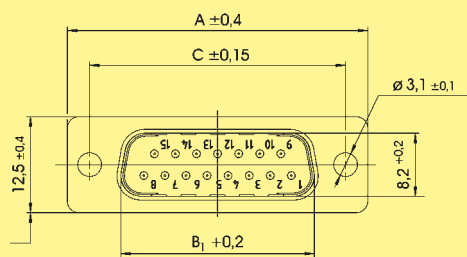
Solder buckets, through hole

Identification

Drawing

Dimensions in mm

Male connector



| No. of contacts | A    | B <sub>1</sub> | B <sub>2</sub> | C     | D    |
|-----------------|------|----------------|----------------|-------|------|
| 9               | 30.8 | 16.9           | 16.4           | 25.00 | 19.3 |
| 15              | 39.1 | 25.2           | 24.7           | 33.30 | 27.5 |
| 25              | 53.0 | 38.9           | 38.5           | 47.04 | 41.3 |
| 37              | 69.3 | 55.3           | 54.9           | 63.50 | 57.7 |

Female connector

