

**NOTES:**

- MATERIALS AND FINISHES:**
  - INSULATOR: GLASS FILLED PLASTIC UL 94 V-0 RATED, GREY RAL 7035
  - CONTACTS: COPPER ALLOY, PLATING: 0,8 µM GOLD OVER NICKEL
- ELECTRICAL CHARACTERISTICS:**

CREEPING AND CLEARANCE DISTANCE; MINIMUM SPACING:

  - CONTACTS 5-16 TO ANY OTHER CONTACT WITHIN THIS GROUP: 0,7 MM
  - CONTACTS 17-24 TO ANY OTHER CONTACT WITHIN THIS GROUP: 2,5 MM
  - CONTACT 25 TO 26: 5,5 MM
  - CONTACTS 27-34 TO ANY OTHER CONTACT WITHIN THIS GROUP: 1,4 MM
  - CONTACTS 13-16 TO 17-20: 3,0 MM
  - CONTACTS 21-24 TO 25-26: 4,0 MM
  - CONTACTS 25-26 TO 27-29: 2,0 MM

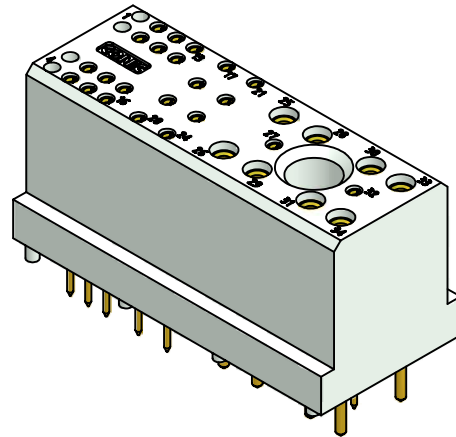
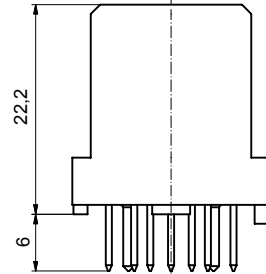
CONTACT CURRENT RATING:

  - POWER CONTACTS: 16 AMPERES MINIMUM, TESTED PER CSA C22.2 NO. 182.3-M1987, ALL CONTACTS UNDER LOAD
  - SIGNAL CONTACTS: 2 AMPERES NOMINAL

INITIAL CONTACT RESISTANCE PER IEC 512-2, TEST 2b:

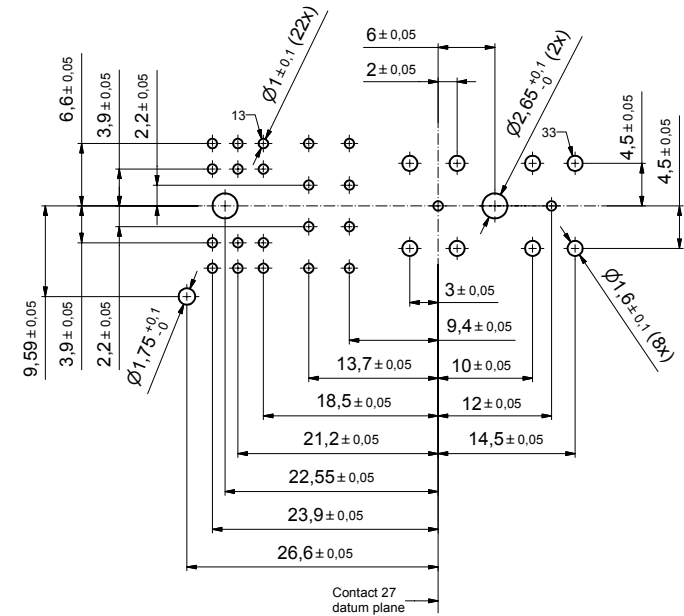
  - POWER CONTACTS: 0,0022 OHM MAX.
  - SIGNAL CONTACTS: 0,0085 OHM MAX.

INSULATION RESISTANCE: 5 G OHM PER IEC 512-2, TEST 3a, METHOD A
- POSITIONS WITHOUT CONTACTS:** 1, 2, 3, 4
- WORKING TEMPERATURE:** -55°C TO +125°C
- CONNECTOR IS PART MARKED:** PART-NO. CONEC ABC



Directive 2002/95 EC  
"RoHS"  
Compliant

**PCB hole pattern**



22	Signal contact (Pos. 5-24,27,32)	3		
8	Power contact (Pos. 25,26,28-31,33,34)	2		
1	Case 34pos. female	1		
quantity	part description	partlist	item	dwg no. / norm material
partlist				
finish: see notes		tolerance ISO 2768-m	dim. in mm	scale: 2,5:1 (10:1) material: see notes
date		name	title: FEMALE CONNECTOR 30pos. SOLDER PIN STRAIGHT AdvancedTCA	
drawn	22.08.05	Mankopf	dwg no: [Inventor]	
appd.	22.08.05	Kühle	46K2A008	
norm			sh: 1	
d-old			part no: ATC30W08FGRC5X	
DO NOT ALTER CAD DRAWING BY HAND		<b>CONEC</b>		
rev.	description	date	name	DIN-A2