



Directive 2002/95/EC
RoHS
Compliant

NOTES:

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

CREEPING AND CLEARANCE DISTANCE; MINIMUM:

 - CONTACT 47 TO CONTACT 46: 2.5 MM
 - CONTACT 47 TO CONTACT 45: 3.2 MM
 - CONTACT 46 TO CONTACT 45: 3.2 MM
 - CONTACT 47 TO SIGNAL CONTACTS: 6.4 MM
 - CONTACT 46 TO SIGNAL CONTACTS: 6.4 MM
 - CONTACT 45 TO SIGNAL CONTACTS: 2.0 MM

CONTACT CURRENT RATING:

 - POWER CONTACTS POS. 45-47: 40 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD
 - POWER CONTACTS POS. 1-20: 28 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD
 - SIGNAL CONTACTS: 3 AMPERES NOMINAL

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

 - POWER CONTACTS: 0,0007 OHM MAX.
 - SIGNAL CONTACTS: 0,004 OHM MAX.

INSULATION RESISTANCE: 5 G OHM PER IEC 512-2, TEST 3a

VOLTAGE PROOF:

 - CONTACTS POS. 46, 46, 47: 3 kV r.m.s.
 - CONTACTS POS. 1-20: 1,5 kV r.m.s.
 - CONTACTS POS. 21-44: 1 kV r.m.s.
- CONTACTS (3x) ARE CRIMP, REMOVABLE AND ORDERED SEPARATELY
- WORKING TEMPERATURE: -55°C TO +125°C
- PRESS-FIT PART OF CONTACTS ARE PATENT PROTECTED
- CONNECTOR IS PART MARKED: [PART-NO. CONEC ABC]

3	Crimp contact (Pos. 45-47) see note 3	4	
24	Signal contact (Pos. 21-44)	3	
20	Power contact (Pos. 1-20)	2	
1	Case 47pos. female	1	
quantity	part description	item	dwg no. / norm
		partlist	material
finish: see notes		tolerance ISO 2768-m	scale: 2:1
date		name	material: see notes
drawn	07.07.05	Mankopf	title: FEMALE CONNECTOR 47pos. CRIMP LOW + PRESS-FIT, STRAIGHT CompactPCI
appd.	07.07.05	Kühle	
norm			
d-old			
dwg no:		Inventor	DIN-A2
		45K1A027	sh: 1
part no:		CPH47W23FGE3SN9X	

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