



**THE DATASHEET OF  
CPH47W23MARASK9X**



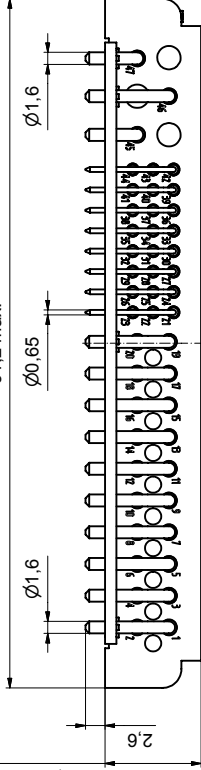
91,2 max.

Ø0,65

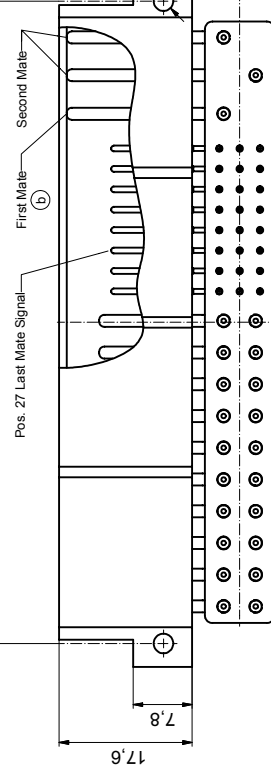
Ø1,6

Ø1,6

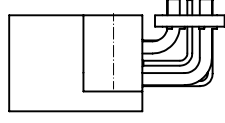
12,7 max.  
2,6



85



Ø2,6 (9 lead)



10,085

2,125±0,05

2,7±0,05

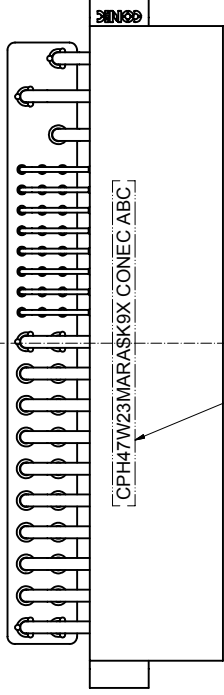
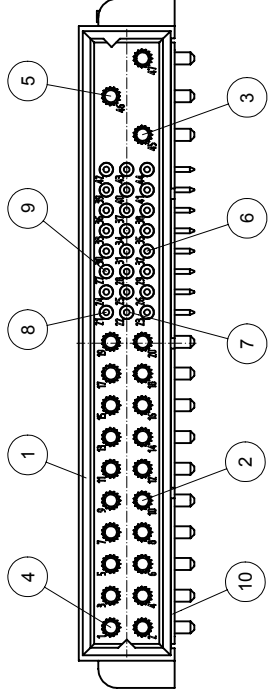
2,7±0,05

2,7±0,05

37,±

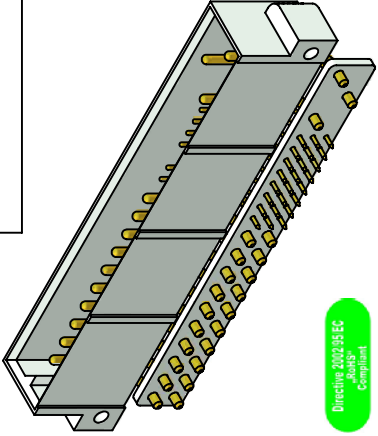
32

42,5±



[CPH47W23MARASK9X CONEC ABC]

—see note 5



Directive 2002/95/EC  
RoHS  
Compliant

NOTES:

1. MATERIALS AND FINISHES:

- INSULATOR: GLASS FILLED PLASTIC UL 94 V-0 RATED, GREY RAL 7035
- CONTACTS: COPPER ALLOY, PLATING: FLASH GOLD OVER NICKEL

2. 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:

- POWER CONTACTS: 0,0007 OHM MAX. PER IEC 512-2, TEST 2b
- SIGNAL CONTACTS: 0,004 OHM MAX. PER IEC 512-2, TEST 2b

INSULATION RESISTANCE:

- VOLTAGE PROOF: 5 G OHM PER IEC 512-2, TEST 3a
- CONTACTS POS. 45, 46, 47: 3 kV r.m.s.
- CONTACTS POS. 1-20: 1,5 kV r.m.s.

3. WORKING TEMPERATURE: -55°C TO +125°C

4. ORDER OF CONTACT MATING:

- 1. MATE: POS. 45 / 2. MATE: POS. 46, 47 / LAST MATE: POS. 27

5. CONNECTOR IS PART MARKED: [CPH47W23MARASK9X CONEC ABC]



|    |          |
|----|----------|
| 1  | Fixing   |
| 1  | Signal   |
| 7  | Signal   |
| 8  | Signal   |
| 8  | Signal   |
| 1  | Power    |
| 10 | Power    |
| 2  | Power    |
| 10 | Power    |
| 1  | Case     |
| 1  | Mounting |

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