

# Product Data Sheet

DIN 41612 straight Female, type C/3,  
Part No. 304-80064-05TH

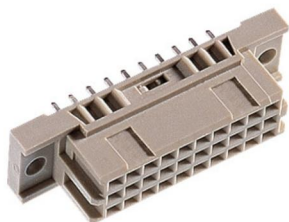
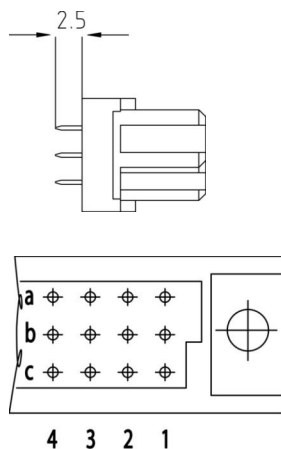


Illustration similar



Parallel



Perpendicular



Through Hole



Rugged

- tail length 2.5 mm
- number of positions: 30
- THR
- performance level 2



» to product on [www.ept.de](http://www.ept.de)



» to product group DIN 41612

# Product Data Sheet

DIN 41612 straight Female, type C/3,  
Part No. 304-80064-05TH



## Technical Specifications

### Basics

|                             |                         |
|-----------------------------|-------------------------|
| Specification               | IEC 60603-2 (DIN 41612) |
| Performance Level           | 2                       |
| No. of Contacts             | 30                      |
| Termination Technology      | THR                     |
| Termination Length          | 2.5 mm                  |
| Board-to-Board Distance     | 16.85 mm                |
| Operating Temperature Range | -55°C to +125°C         |

### Material

|                               |                                      |
|-------------------------------|--------------------------------------|
| Insulator Material            | glass-fiber reinforced PA, UL 94 V-0 |
| CTI value<br><i>IEC 60112</i> | 600                                  |
| Contact Material              | copper alloy                         |

### Mechanical

|                          |                   |
|--------------------------|-------------------|
| Pitch                    | 2.54 mm           |
| Mating Force             | 28 N              |
| Separating Force per Pin | > 0.15 N          |
| Durability               | 400 mating cycles |

### Electrical

|                        |                      |
|------------------------|----------------------|
| Operational Current    | 2.6 A                |
| Test Voltage           | 1000 V               |
| Contact Resistance     | 20 mΩ                |
| Clearance and Creepage | ≥ 1.2 mm             |
| Insulation Resistance  | > 10 <sup>6</sup> MΩ |

### Processing

|                       |                              |
|-----------------------|------------------------------|
| Soldering Temperature | 260°C according to J-STD-020 |
| MSL                   | 1                            |

### Approval / Compliance

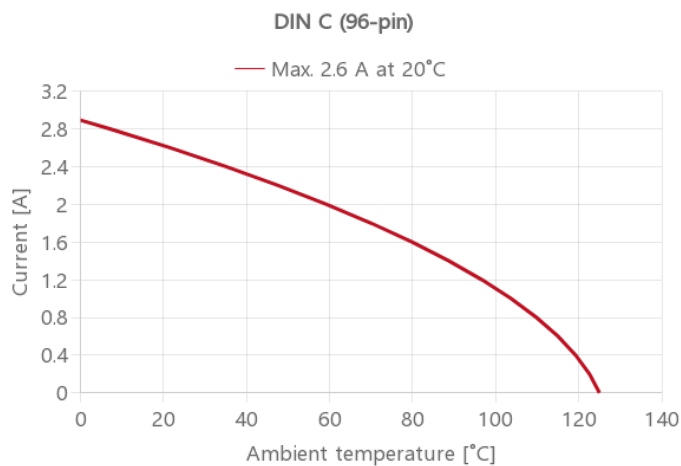
|             |                |
|-------------|----------------|
| UL file     | E130314        |
| Environment | RoHS compliant |

# Product Data Sheet

DIN 41612 straight Female, type C/3,  
Part No. 304-80064-05TH



## Derating Diagram



# Product Data Sheet

**DIN 41612 straight Female, type C/3,  
Part No. 304-80064-05TH**



## Options

### Board Lock

Suitable for connectors with type B, C, D, E, F low profile, G low profile, M female connectors and R male connectors



|                   | Forces |                    |                | Part Number          | PCB Thickness |
|-------------------|--------|--------------------|----------------|----------------------|---------------|
| Type of Insertion | $F_m$  | not soldered $F_h$ | soldered $F_h$ | 304-80064-05THC<br>1 | 1.6 mm        |
| Locked            | < 20 N | > 10 N             | > 25 N         | 304-80064-05THC<br>2 | 2.4 mm        |
| Under Tension     | < 20 N | > 5 N              | > 25 N         | 304-80064-05THC<br>3 | 3.6 mm        |

## Modifications

Available on request

- without mounting flange
- Special lengths for connections
- Grade I + III or custom
- custom loading

## Accessories

» DIN 41612 keying, type B and C  
Part Number 104-19003

# Product Data Sheet

**DIN 41612 straight Female, type C/3,  
Part No. 304-80064-05TH**

---



## Drawings

Component data for this product you can request through [sales@ept.de](mailto:sales@ept.de)