



# Product Data Sheet

DIN 41612 Female straight, type C/3,  
Part No. 304-80014-05TH



## Technical Specifications

### Basics

Specification	IEC 60603-2 (DIN 41612)
Performance Level	2
No. of Contacts	20
Termination Technology	THTR
Termination Length	2.5 mm
Board-to-Board Distance	16.85 mm
Operating Temperature Range	-55°C to +125°C

### Material

Insulator Material	PA glass filled UL 94 V-0
CTI value <i>IEC 60112</i>	600
Contact Material	Copper alloy

### Mechanical

Pitch	2.54 mm
Mating Force	< 18 N
Separating Force per Pin	> 0.15 N
Durability	400 mating cycles

### Electrical

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

### Processing

Soldering Temperature	260°C per J-STD-020
MSL	1

### Approval / Compliance

UL file	E130314
Environment	RoHS compliant

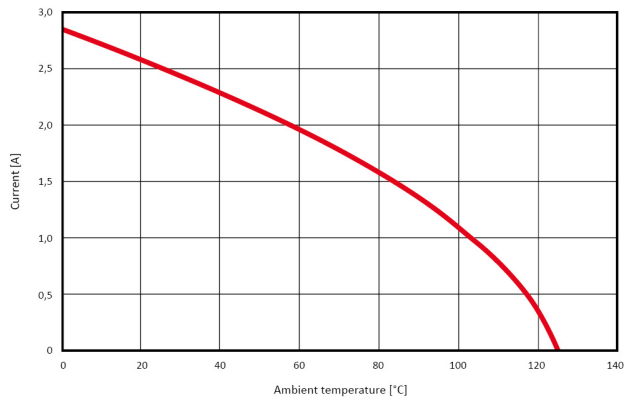
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## Derating Diagram

Current carrying capacity DIN C (96 pins)  
max. 2.6A at 20°C



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## 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



Type of Insertion	Forces			Part Number	PCB Thickness
	$F_m$	not soldered $F_h$	soldered $F_h$		
Type of Insertion	$F_m$	not soldered $F_h$	soldered $F_h$	304-80014-05THC 1	1.6 mm
Locked	< 20 N	> 10 N	> 25 N	304-80014-05THC 2	2.4 mm
Under Tension	< 20 N	> 5 N	> 25 N	304-80014-05THC 3	3.6 mm

## Modifications

Available on request

- Without flange
- Special contact length
- Performance levels I + III or customer-specific
- Contact arrangement

## Accessories

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

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## Drawings

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