

Product Data Sheet

DIN 41612 Female straight, type C,
Part No. 304-40054-05

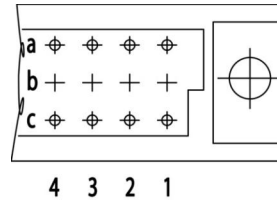
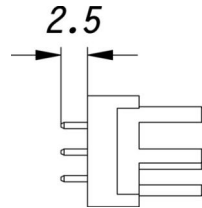


Illustration similar



Parallel



Perpendicular



Through Hole



Rugged

- Termination length 2.5 mm
- 64 contacts
- solder
- performance level 2



» to product on www.ept.de



» to product group DIN 41612

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Technical Specifications

Basics

| | |
|-----------------------------|-------------------------|
| Specification | IEC 60603-2 (DIN 41612) |
| Performance Level | 2 |
| No. of Contacts | 64 |
| Termination Technology | solder |
| Termination Length | 2.5 mm |
| Board-to-Board Distance | 16.85 mm |
| Operating Temperature Range | -55°C to +125°C |

Material

| | |
|-------------------------------|----------------------------|
| Insulator Material | PBT glass filled UL 94 V-0 |
| CTI value <i>IEC 60112</i> | 200 |
| Contact Material | Copper alloy |

Mechanical

| | |
|--------------------------|-------------------|
| Pitch | 2.54 mm |
| Mating Force | < 60 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 ⁶ MΩ |
| Test Voltage | 1000 V |

Processing

| | |
|-----------------------|----------|
| Soldering Temperature | to 260°C |
|-----------------------|----------|

Approval / Compliance

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

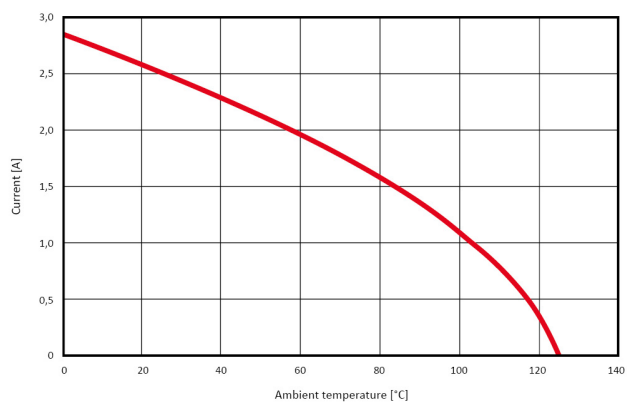
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Derating Diagram

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 | | |
| Locked | < 20 N | > 10 N | > 25 N | 304-40054-05C1 | 1.6 mm |
| Under Tension | < 20 N | > 5 N | > 25 N | 304-40054-05C2 | 2.4 mm |
| | | | | 304-40054-05C3 | 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 in 2D and 3D format you can download here:

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)