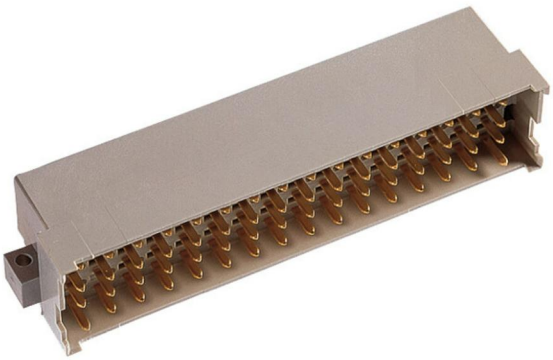
# Product Data Sheet

## DIN 41612 90° Male, type G,
## Part No. 111-40264



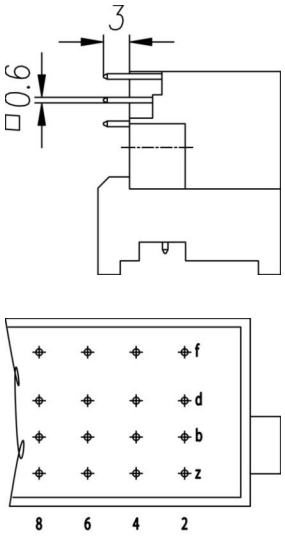



Illustration similar

Perpendicular

Through Hole

Power

Rugged

- tail length 3 mm
- number of positions: 64
- leading contact at positions Z2 & Z32
- solder termination
- performance level 2

» to product on www.ept.de

» to product group DIN 41612



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# Product Data Sheet

## DIN 41612 90° Male, type G, Part No. 111-40264

## Technical Specifications

### Basics

| | |
|---|---|
| Specification | IEC 60603-2 (DIN 41612) |
| Performance Level | 2 |
| No. of Contacts | 64 |
| Termination Technology | solder termination |
| Termination Length | 3 mm |
| Operating Temperature Range | -55°C to +125°C |

### Material

| | |
|---|---|
| Insulator Material | glass-fiber reinforced PC, UL 94 V-2 |
| CTI value<br>*IEC 60112* | 200 |
| Contact Material | copper alloy |

### Mechanical

| | |
|---|---|
| Pitch | 5.08 x 3.81 mm |
| Mating Force | 100 N |
| Separating Force per Pin | >0.2 N |
| Durability | 400 mating cycles |

### Electrical

| | |
|---|---|
| Operational Current | 5.6 A |
| Test Voltage | 1550 V |
| Contact Resistance | 15 mΩ |
| Clearance and Creepage | W: ≥ 3.0 mm, L: ≥ 1.6 mm |
| Insulation Resistance | $>10^6$ MΩ |

### Approval / Compliance

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



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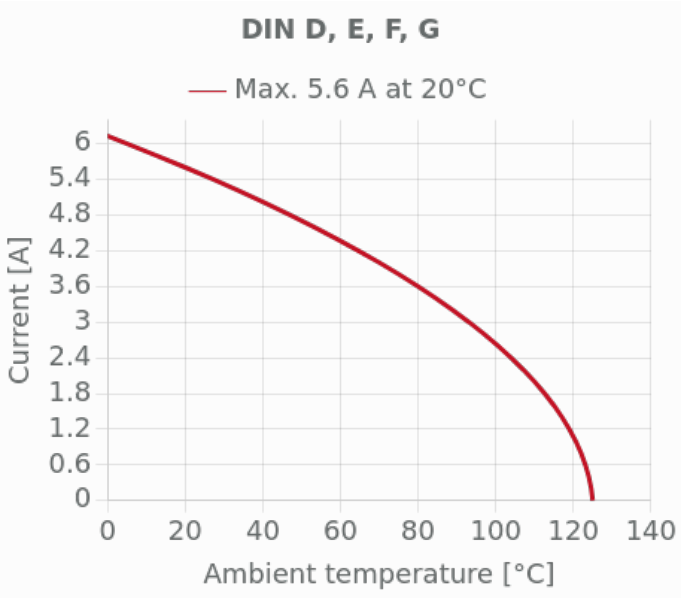
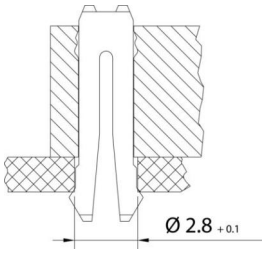
### Derating Diagram

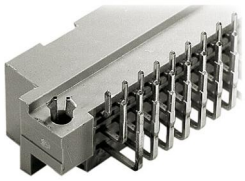


## Options

Board Lock 90°

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



| Type of Insertion | Forces | | | PCB Thickness | Part Number |
|---|---|---|---|---|---|
| | $F_m$ | not soldered $F_h$ | soldered $F_h$ | | |
| Locked | < 30 N | > 10 N | > 20 N | ≤ 1.6 mm | 111-40264C1 |
| Under Tension | < 30 N | > 7.5 N | > 20 N | > 1.6 mm | |

## Modifications

Available on request

- Premature contacts
- custom loading
- Grade I + III or custom
- Custom length

## Drawings

Component data for this product you can request through sales@ept.de



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