

# Product Data Sheet

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

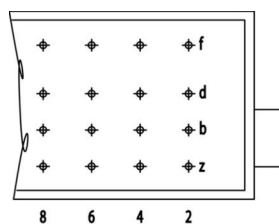
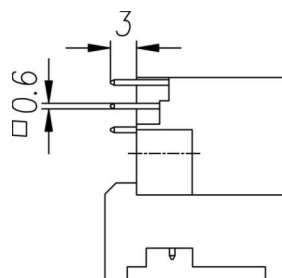
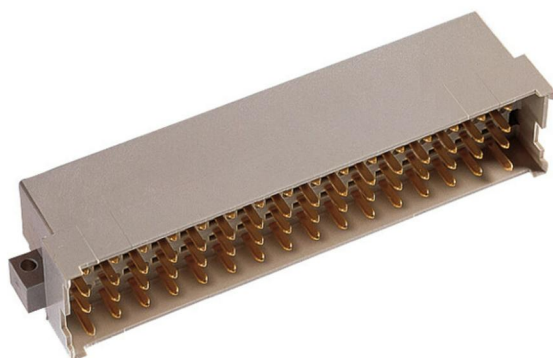


Illustration similar



Perpendicular



Through Hole



Power



Rugged

- Termination length 3 mm
- 64 contacts
- premating contact at pos. Z2 & Z32
- solder
- performance level 2

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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          | 3 mm                    |
| Operating Temperature Range | -55°C to +125°C         |

### Material

|                               |                           |
|-------------------------------|---------------------------|
| Insulator Material            | PC glass filled UL 94 V-2 |
| CTI value<br><i>IEC 60112</i> | 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                      |
| Contact Resistance     | < 15 mΩ                    |
| Clearance and Creepage | cr: ≥ 3.0 mm, cl: ≥ 1.6 mm |
| Insulation Resistance  | >10 <sup>6</sup> MΩ        |
| Test Voltage           | 1550 V                     |

### Approval / Compliance

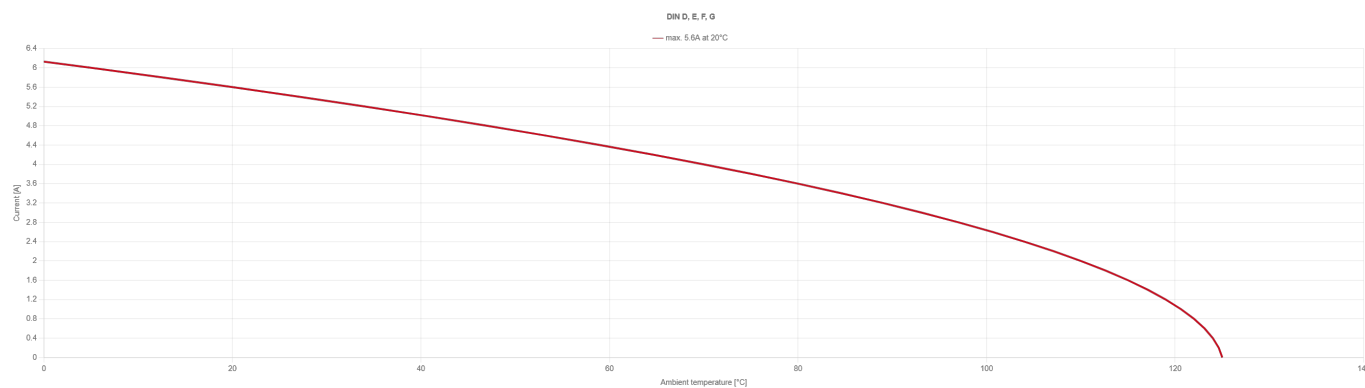
|             |                |
|-------------|----------------|
| UL file     | E130314        |
| Environment | RoHS compliant |

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## Derating Diagram



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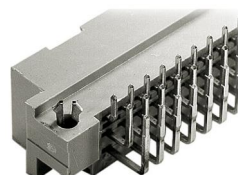
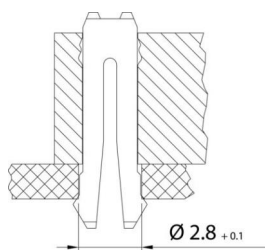
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## Options

### 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 <sub>m</sub> | not soldered F <sub>h</sub> | soldered F <sub>h</sub> |               |             |
| 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

- Pre-mating and late-mating contacts
- Contact arrangement
- Performance levels I + III or customer-specific
- Special contact length