

# Product Data Sheet

DIN 41612 Male 90°, type G,  
Part No. 111-40064

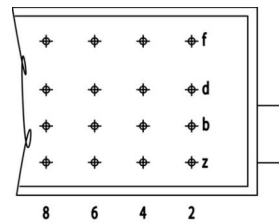
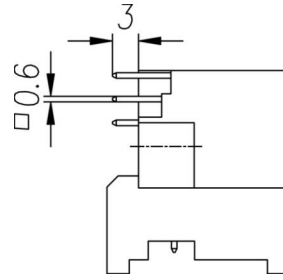
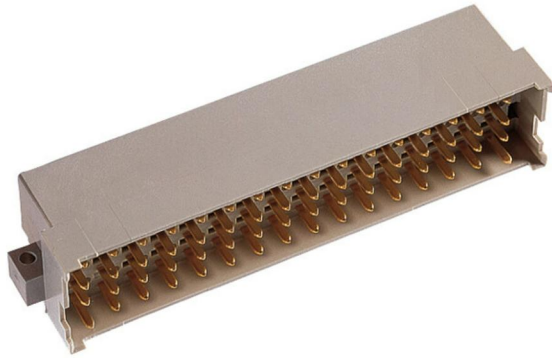


Illustration similar



Perpendicular



Through Hole



Power



Rugged

- Termination length 3 mm
- 64 contacts
- solder
- performance level 2



» to product on [www.ept.de](http://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	3 mm
Operating Temperature Range	-55°C to +125°C

### Material

Insulator Material	PC glass filled UL 94 V-2
CTI value <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

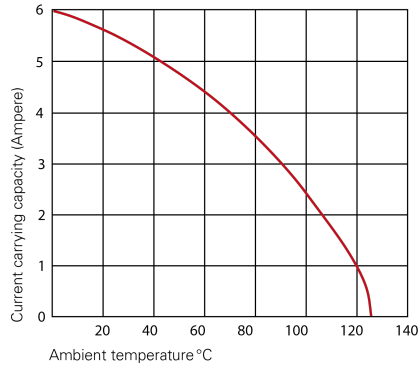
UL file	E130314
Environment	RoHS compliant

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## Derating Diagram



### Type D, E, F, G

20°C 5.6 A  
70°C 4.0 A  
100°C 2.5 A

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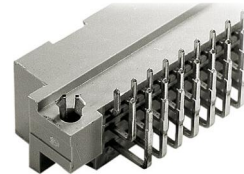
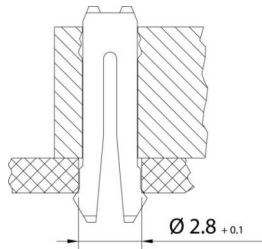
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## Options

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	111-40064C1
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

## Drawings

Component data in 2D and 3D format you can download here:

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)