

# Product Data Sheet

DIN 41612 Straight-type spring-loaded connector, Type E,  
Part No. 108-40074

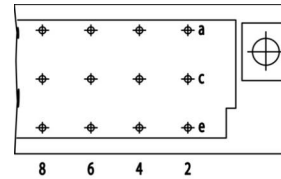
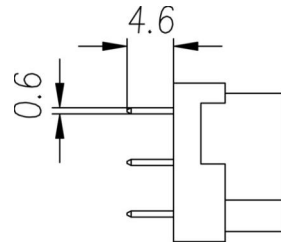
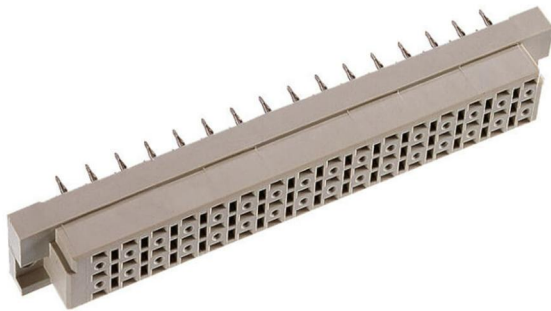


Illustration similar



Parallel



Perpendicular



Through Hole



Power



Rugged

- Connector length: 4.6 mm
- Connection 0.6 x 0.6
- Number of poles: 48
- Soldering Techniques
- Grade 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	48
Termination Technology	Soldering Techniques
Termination Length	4.6 mm
Board-to-Board Distance	17.85 mm
Operating Temperature Range	-55°C to +125°C

### Material

Insulator Material	Glass-fiber-reinforced PBT, UL 94 V-0
CTI value <i>IEC 60112</i>	200
Contact Material	copper alloy

### Mechanical

Pitch	5.08 mm
Mating Force	60 N
Separating Force per Pin	> 0.15 N
Durability	400 insertion cycles

### Electrical

Operational Current	5.6 A
Contact Resistance	15 mΩ
Clearance and Creepage	≥ 3.0 mm
Insulation Resistance	> 10 <sup>6</sup> MΩ
Test Voltage	1500 V

### Processing

Soldering Temperature	up to 260°C
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### Approval / Compliance

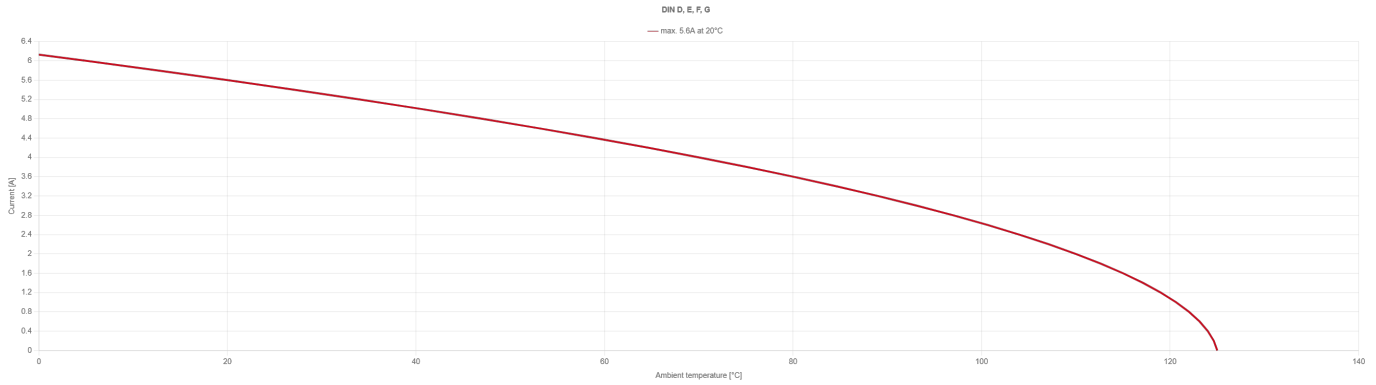
UL file	E130314
Environment	RoHS compliant

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## Derating Diagram



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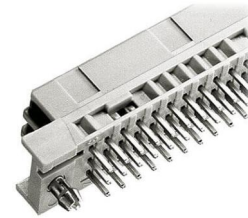
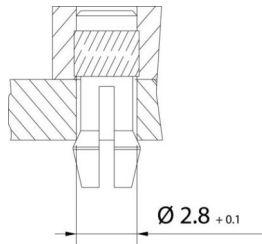
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## Options

### Board Lock

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	108-40074C1	1.6 mm
Under Tension	< 20 N	> 5 N	> 25 N	108-40074C2	2.4 mm
				108-40074C3	3.6 mm

## Modifications

Available on request

- without mounting flange
- Special lengths for connections
- Grade I + III or custom
- Special configuration

## Drawings

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

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)