

Product Data Sheet

DIN 41612 Male straight, type F,
Part No. 109-40065

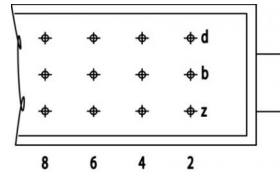
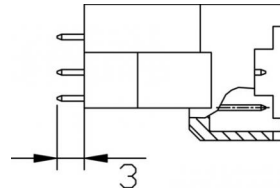
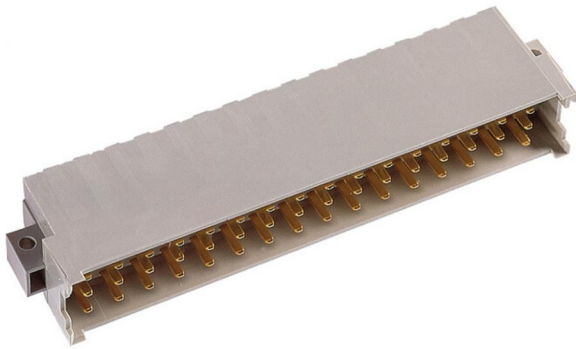


Illustration similar



Parallel



Through Hole



Power



Rugged

- Termination length 3 mm
- 48 contacts
- solder
- performance level 2
- flange perpendicular to termination direction



» to product on www.ept.de



» to product group DIN 41612

Product Data Sheet

DIN 41612 Male straight, type F,
Part No. 109-40065



Technical Specifications

Basics

Specification	IEC 60603-2 (DIN 41612)
Performance Level	2
No. of Contacts	48
Termination Technology	solder
Termination Length	3 mm
Board-to-Board Distance	24.4 mm & 34.1 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	5.08 x 3.81 mm
Mating Force	< 75 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 ⁶ MΩ
Test Voltage	1550 V

Processing

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

Approval / Compliance

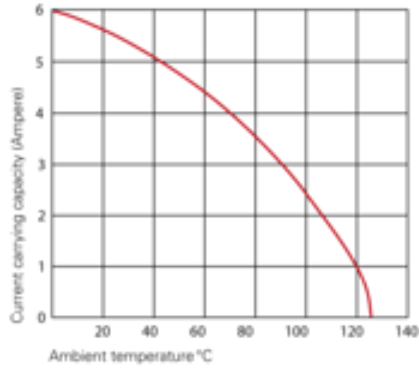
UL file	E130314
Environment	RoHS compliant

Product Data Sheet

DIN 41612 Male straight, type F,
Part No. 109-40065



Derating Diagram



Type D, E, F, G

20°C 5.6 A
70°C 4.0 A
100°C 2.5 A

Product Data Sheet

DIN 41612 Male straight, type F,
Part No. 109-40065



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](#)