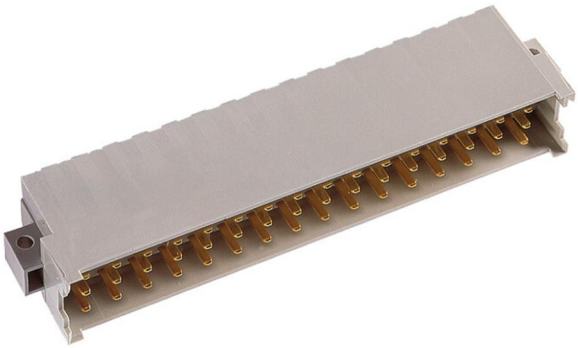
Product Data Sheet

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



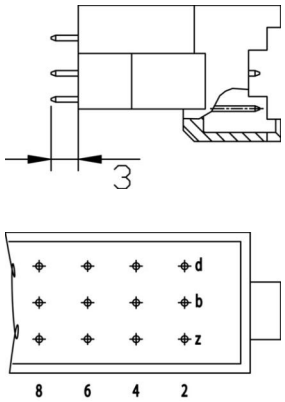


Illustration similar

Parallel

Through Hole

Power

Rugged

- tail length 3 mm
- number of positions: 48
- solder termination
- performance level 2
- Flange at a 90° angle to the direction of the connection

» to product on 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	solder termination
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	glass-fiber reinforced PBT, UL 94 V-0
CTI value *IEC 60112*	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
Test Voltage	1550 V
Contact Resistance	15 mΩ
Clearance and Creepage	W: ≥ 3.0 mm, L: ≥ 1.6 mm
Insulation Resistance	$>10^6$ MΩ

Processing

Soldering Temperature	up to 260°C

Approval / Compliance

UL file	E130314
Environment	RoHS compliant

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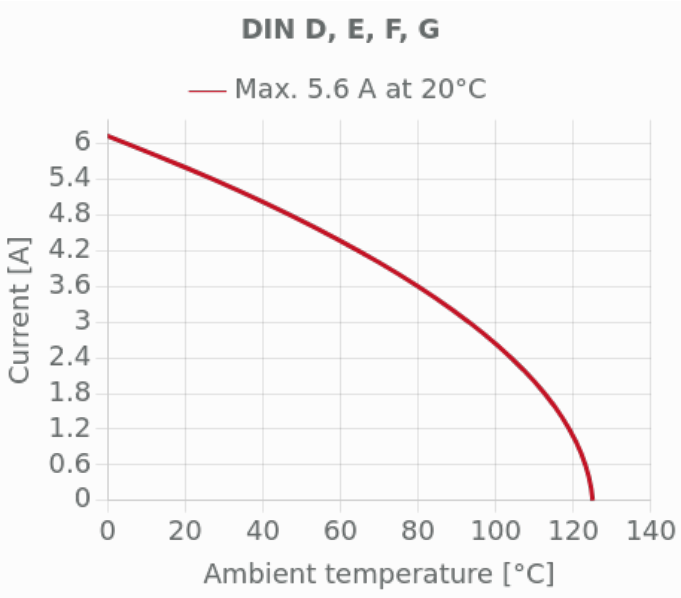
Derating Diagram



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Modifications

Available on request

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

Drawings

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

» PDF » 3D IGES » 3D STEP » 3D PDF

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