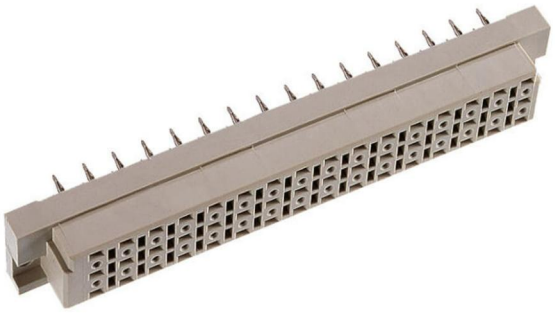
Product Data Sheet

DIN 41612 Straight-type spring-loaded connector, Type E, Part No. 108-40076



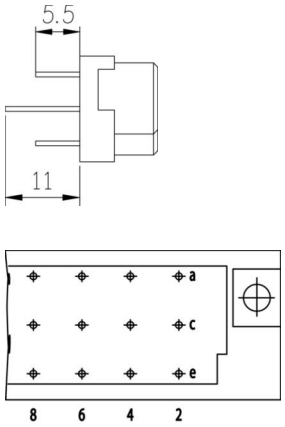


Illustration similar



Parallel | Perpendicular | Through Hole | Power | Rugged

- Connector length: 5.5/11 mm
- Number of poles: 48
- Hand Soldering
- Grade 2

» to product on www.ept.de

» to product group DIN 41612

ept GmbH | Bergwerkstr. 50 | 86971 Peiting | Tel. +49 (0) 8861 / 25 01 0 | Fax +49 (0) 8861 / 55 07 | sales@ept.de | **www.ept.de**

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Product Data Sheet

DIN 41612 Straight-type spring-loaded connector, Type E, Part No. 108-40076

Technical Specifications

Basics

Specification	IEC 60603-2 (DIN 41612)
Performance Level	2
No. of Contacts	48
Termination Technology	Soldering Techniques
Termination Length	5.5 mm / 11 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 *IEC 60112*	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
Test Voltage	1500 V
Contact Resistance	15 mΩ
Clearance and Creepage	≥ 3.0 mm
Insulation Resistance	$>10^6$ MΩ

Processing

Soldering Temperature	up to 260°C

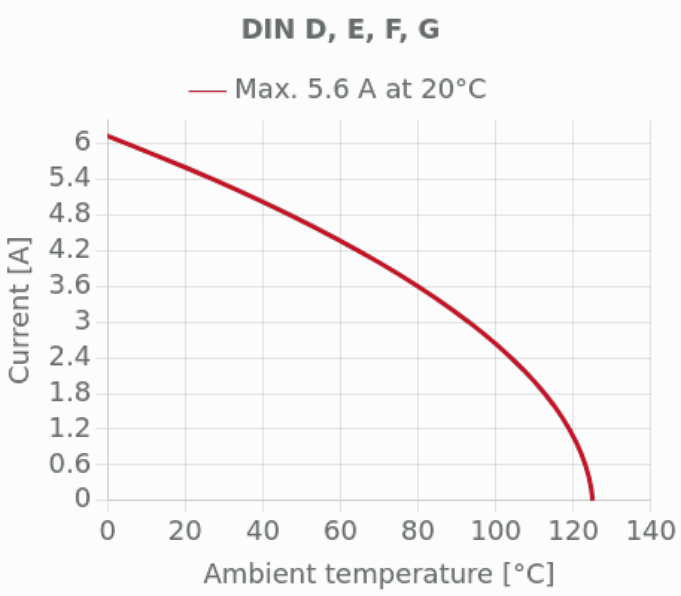
Approval / Compliance

UL file	E130314
Environment	RoHS compliant

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Derating Diagram



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Modifications

Available on request

- 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

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