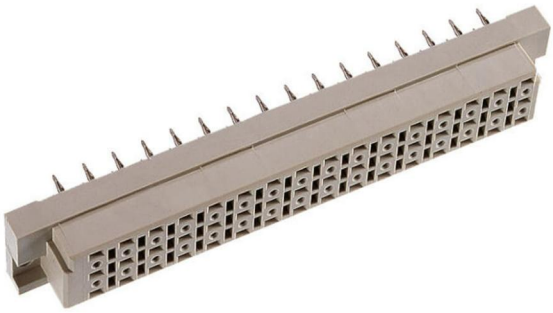
Product Data Sheet

DIN 41612 Straight-type spring-loaded connector, Type E, Part No. 108-40065



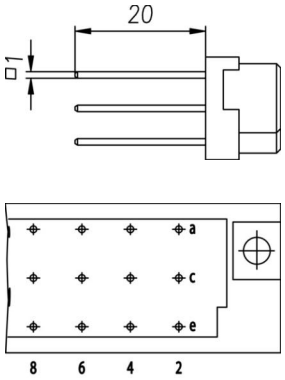


Illustration similar


Parallel


Perpendicular


Through Hole


Power


Rugged

- Connection length: 20 mm
- Connection 1 x 1
- Terminal side tin-plated for wire wrap
- Number of poles: 48
- Soldering Techniques
- 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**

Product Data Sheet

DIN 41612 Straight-type spring-loaded connector, Type E, Part No. 108-40065

Technical Specifications

Basics

Specification	IEC 60603-2 (DIN 41612)
Performance Level	2
No. of Contacts	48
Termination Technology	Soldering Techniques
Termination Length	20 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
Contact Resistance	15 mΩ
Clearance and Creepage	≥ 3.0 mm
Insulation Resistance	$>10^6$ MΩ
Test Voltage	1500 V

Processing

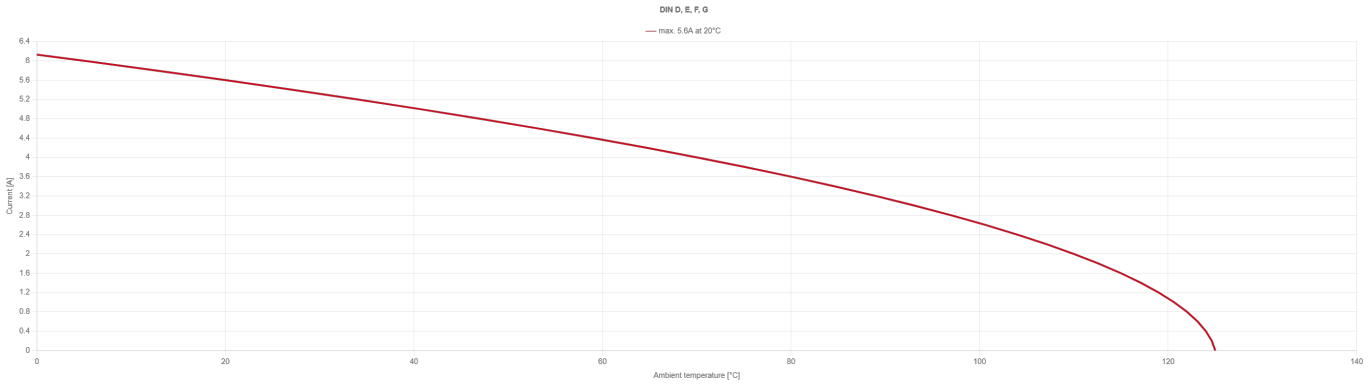
Soldering Temperature	up to 260°C

Approval / Compliance

UL file	E130314
Environment	RoHS compliant

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**

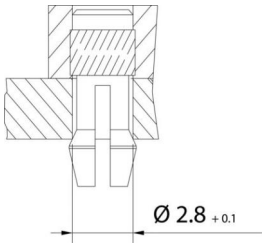
Derating Diagram

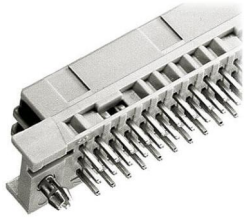


Options

Board Lock

Suitable for connectors with type B, C, D, E, F low profile, G low profile, M female connectors and R male connectors





	Forces			Part Number	PCB Thickness
Type of Insertion	F_m	not soldered F_h	soldered F_h	108-40065C1	1.6 mm
Locked	< 20 N	> 10 N	> 25 N	108-40065C2	2.4 mm
Under Tension	< 20 N	> 5 N	> 25 N	108-40065C3	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