Product Data Sheet

DIN 41612 straight spring-loaded connector (Female)type M, Part No. 124-40142-00

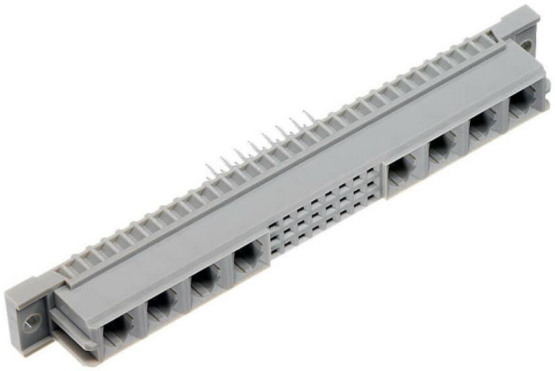
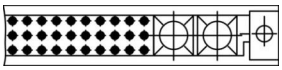


Illustration similar



Perpendicular

Through Hole

Power

Rugged

- tail length 4.6 mm
- number of positions: 60 + 4
- solder termination
- performance level 2

» 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	60 + 4
Termination Technology	solder termination
Termination Length	4.6 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	2.54 mm
Mating Force	57 N
Separating Force per Pin	> 0.15 N
Durability	400 mating cycles

Electrical

Operational Current	4.8 A
Test Voltage	1000 V
Contact Resistance	20 mΩ
Clearance and Creepage	≥ 1.2 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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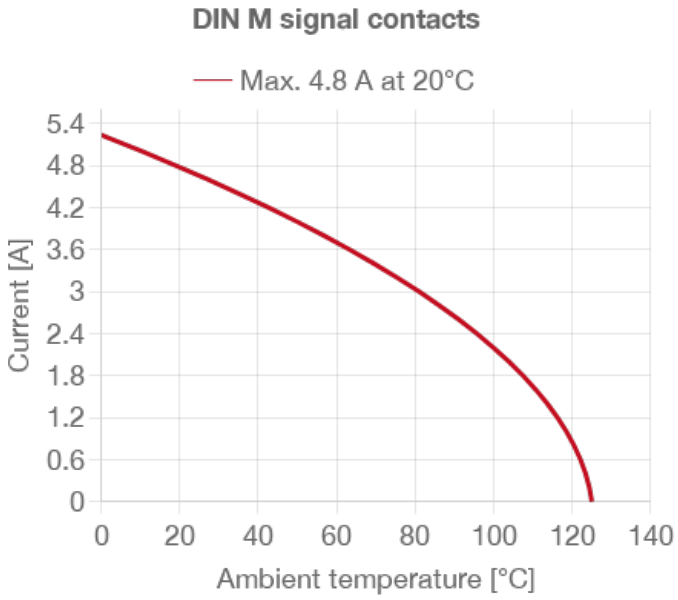
Derating Diagram



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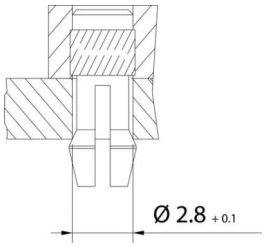
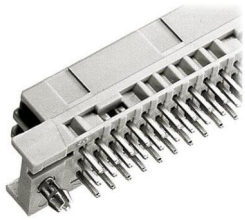
Options

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	124-40142-00C1	1.6 mm
Locked	< 20 N	> 10 N	> 25 N	124-40142-00C2	2.4 mm
Under Tension	< 20 N	> 5 N	> 25 N	124-40142-00C3	3.6 mm

Modifications

Available on request

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

Drawings

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

» PDF » 3D IGES » 3D STEP » 3D PDF

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