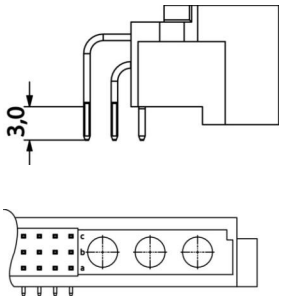
Product Data Sheet

DIN 41612 90° Male, type M,
Part No. 123-40161-00



Illustration similar



Perpendicular | Through Hole | Power | Rugged

- tail length 3 mm
- number of positions: 42 + 6
- solder termination
- performance level 2

» to product on www.ept.de

» to product group DIN 41612

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Product Data Sheet

DIN 41612 90° Male, type M, Part No. 123-40161-00

Technical Specifications

Basics

Specification	IEC 60603-2 (DIN 41612)
Performance Level	2
No. of Contacts	42 + 6
Termination Technology	solder termination
Termination Length	3 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	40 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

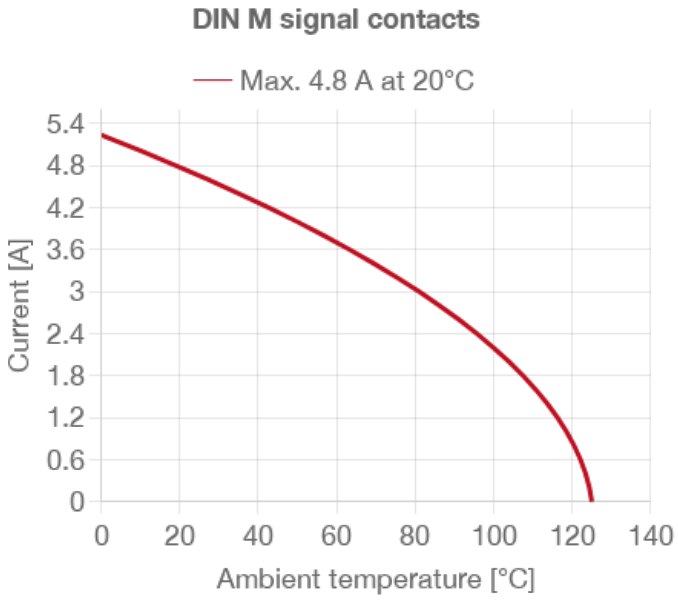
Soldering Temperature	up to 260°C

Approval / Compliance

UL file	E130314
Environment	RoHS compliant

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Derating Diagram



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Modifications

Available on request

- First mate, last-mate contacts
- custom loading
- Grade I + III or custom

Drawings

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

» PDF » 3D IGES » 3D STEP » 3D PDF

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