

Product Data Sheet

DIN 41612 Male 90°, type H11,
Part No. 113-40020

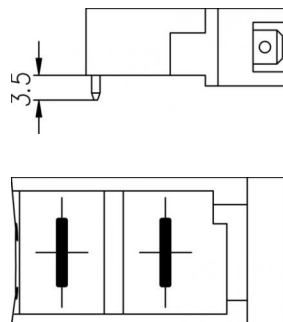


Illustration similar



Perpendicular



Through Hole



Power



Rugged

- Termination length 3.5 mm
- 9+2 contacts
- premating contact at pos. 2 & 32
- solder
- 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	11
Termination Technology	solder
Termination Length	3.5 mm
Operating Temperature Range	-55°C to +125°C

Material

Insulator Material	PBT glass filled UL 94 V-0
CTI value <i>IEC 60112</i>	200
Contact Material	Copper alloy

Mechanical

Pitch	7.62 mm
Mating Force	< 80 N
Separating Force per Pin	> 0.2 N
Durability	400 mating cycles

Electrical

Operational Current	15 A
Contact Resistance	<8 mΩ
Clearance and Creepage	cr: ≥ 8.0 mm, cl: ≥ 4.5 mm
Insulation Resistance	>10 ⁶ MΩ
Test Voltage	3100 V

Processing

Soldering Temperature	to 260°C
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Approval / Compliance

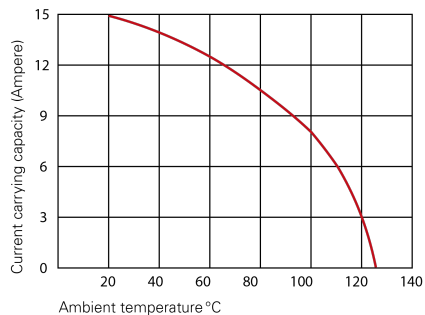
Environment	RoHS compliant
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Derating Diagram



Type H

20 °C	15 A
70 °C	11 A
100 °C	8 A

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Modifications

Available on request

- Pre-mating and late-mating contacts
- Contact arrangement

Drawings

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

[» PDF](#)