

Product Data Sheet

DIN 41612 Male 90°, type H11,
Part No. 113-40015

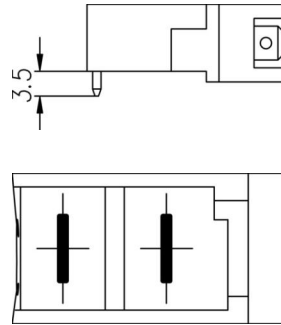


Illustration similar



Perpendicular



Through Hole



Power



Rugged

- Termination length 3.5 mm
- 10+1 contacts
- premating contact at pos. 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 |
|-----------------------|----------|

Approval / Compliance

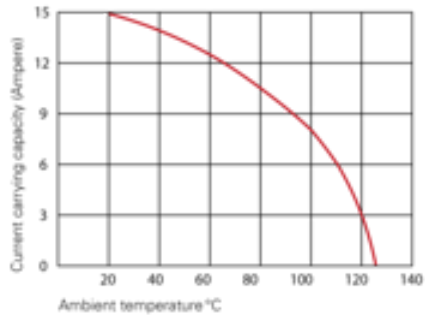
| | |
|-------------|----------------|
| Environment | RoHS compliant |
|-------------|----------------|

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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](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)