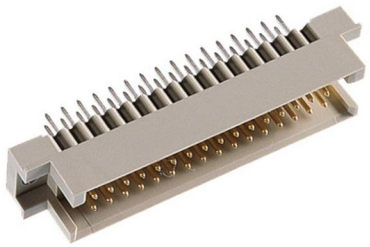
# Product Data Sheet

## DIN 41612 Male straight, type R/2, Part No. 115-90014TH



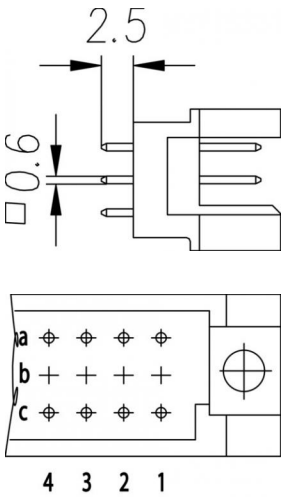



Illustration similar

Parallel | Perpendicular | Through Hole | Rugged

- Termination length 2.5 mm
- 32 contacts
- THTR
- performance level 2

» to product on www.ept.de

» to product group DIN 41612



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# Product Data Sheet

## DIN 41612 Male straight, type R/2, Part No. 115-90014TH

## Technical Specifications

### Basics

| | |
|---|---|
| Specification | IEC 60603-2 (DIN 41612) |
| Performance Level | 2 |
| No. of Contacts | 32 |
| Termination Technology | THTR |
| Termination Length | 2.5 mm |
| Board-to-Board Distance | 16.85 mm |
| Operating Temperature Range | -55°C to +125°C |

### Material

| | |
|---|---|
| Insulator Material | PA glass filled UL 94 V-0 |
| CTI value<br>*IEC 60112* | 600 |
| Contact Material | Copper alloy |

### Mechanical

| | |
|---|---|
| Pitch | 2.54 mm |
| Mating Force | < 30 N |
| Separating Force per Pin | > 0.15 N |
| Durability | 400 mating cycles |

### Electrical

| | |
|---|---|
| Operational Current | 2.6 A |
| Contact Resistance | <20 mΩ |
| Clearance and Creepage | ≥ 1.2 mm |
| Insulation Resistance | $>10^6$ MΩ |
| Test Voltage | 1000 V |

### Processing

| | |
|---|---|
| Soldering Temperature | 260°C per J-STD-020 |
| MSL | 1 |

### Approval / Compliance

| | |
|---|---|
| UL file | E130314 |
| Environment | RoHS compliant |



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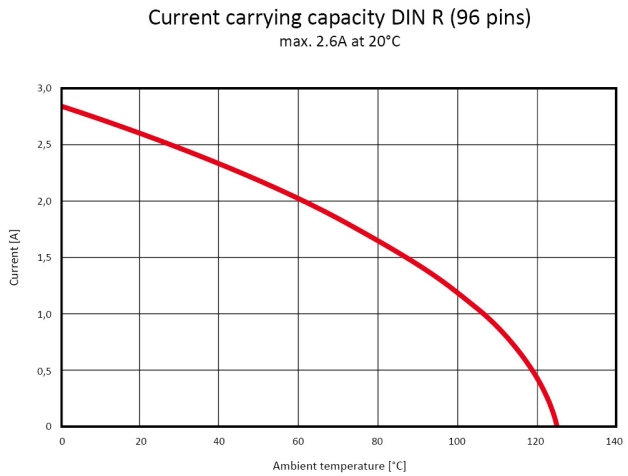
## Derating Diagram



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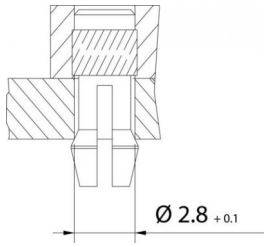
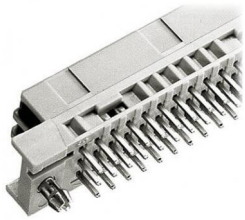
## Options

### 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 $F_h$ | 115-90014THC1 | 1.6 mm |
| Locked | < 20 N | > 10 N | > 25 N | 115-90014THC2 | 2.4 mm |
| Under Tension | < 20 N | > 5 N | > 25 N | 115-90014THC3 | 3.6 mm |

## Modifications

Available on request

- Pre-mating and late-mating contacts
- Without flange
- Special contact length
- Performance levels I + III or customer-specific
- Contact arrangement

## Drawings

Component data for this product you can request through sales@ept.de