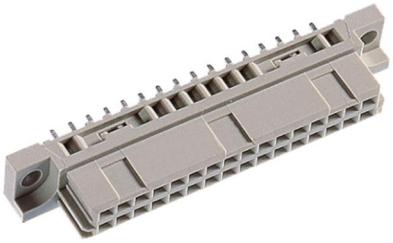
# Product Data Sheet

## DIN 41612 Straight-type spring-loaded connector, Type B/2, Part No. 102-90066



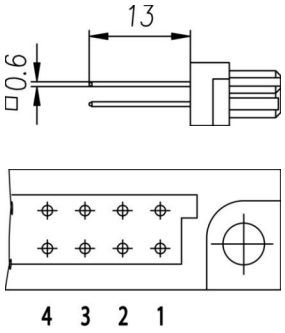



Illustration similar



Parallel | Perpendicular | Through Hole | Rugged

- Connection length: 13 mm
- Terminal side tin-plated for wire wrap
- Number of poles: 32
- Soldering Techniques
- Grade 2

» to product on www.ept.de

» to product group DIN 41612



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# Product Data Sheet

## DIN 41612 Straight-type spring-loaded connector, Type B/2, Part No. 102-90066

## Technical Specifications

### Basics

| | |
|---|---|
| Specification | IEC 60603-2 (DIN 41612) |
| Performance Level | 2 |
| No. of Contacts | 32 |
| Termination Technology | Soldering Techniques |
| Termination Length | 13 mm |
| Board-to-Board Distance | 16.85 mm |
| Operating Temperature Range | -55°C to +125°C |

### Material

| | |
|---|---|
| Insulator Material | Glass-fiber-reinforced PBT, UL 94 V-0 |
| CTI value<br>*IEC 60112* | 200 |
| Contact Material | copper alloy |

### Mechanical

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

### Electrical

| | |
|---|---|
| Operational Current | 2.6 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

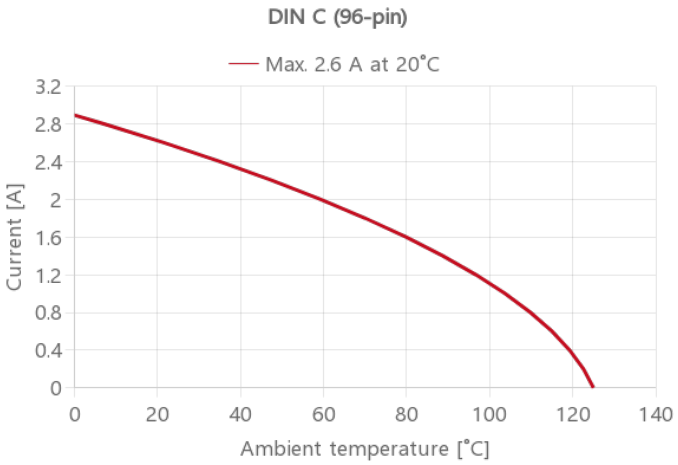
| | |
|---|---|
| UL file | E130314 |
| Environment | RoHS compliant |



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### Derating Diagram





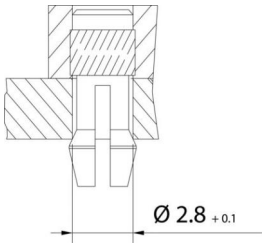


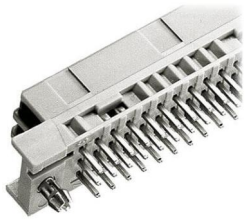
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## Options

### 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 $F_h$ | 102-90066C1 | 1.6 mm |
| Locked | < 20 N | > 10 N | > 25 N | 102-90066C2 | 2.4 mm |
| Under Tension | < 20 N | > 5 N | > 25 N | 102-90066C3 | 3.6 mm |

## Modifications

Available on request

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

## Accessories

» DIN 41612 Kodierung Bauform B und C
Artikelnummer 104-19003




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### Drawings

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

» PDF




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