

CIRCULAR DIN HOUSINGS

TE Model # CAT-C4962-CH8172
TE Internal #: CAT-C4962-CH8172
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Circular DIN connectors are designed to meet the requirements of DIN standards, including the 72585/ISO 15170 standard.



[Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Automotive, Truck, Bus, & Off-Road Housings](#)

Circular DIN connectors are available in 2-7 cavity arrangements and accept contact sizes 2.5 mm (up to 40 amps) or 1.5 mm (up to 30 amps). They feature a coupling ring for mating and offer in-line, flange, or PCB mounting options.



Series Overview

- Accepts contact size 1.5 mm (up to 30 amps) and 2.5 mm (up to 40 amps)
- 2.50-0.20 mm²
- 2, 3, 4, 5, 6, and 7 cavity arrangements
- In-line, flange, or PCB mount
- Circular, thermoplastic housing
- Coupling ring for mating

Additional Circular DIN products

[VIEW ALL CIRCULAR DIN PRODUCTS](#)

Circular DIN connectors are designed to meet the requirements of the DIN 72585/ISO 15170 standards. These connectors feature a coupling ring for mating and are suitable for in-line, flange mount, or PCB applications.

Features

Product Type Features

Connector Style

Housing for female terminals, Housing for male terminals

| | |
|--------------------------------------|---|
| Connector System | Wire-to-Board, Wire-to-Device, Wire-to-Wire |
| Sealable | No, Yes |
| Hybrid Connector | No, Yes |
| Primary Locking Feature | Integrated in Housing, On the Terminal |
| Configuration Features | |
| Number of Positions | 2, 3, 4, 5, 6, 7, 31 |
| Number of Rows | 1, 2 |
| Electrical Characteristics | |
| Nominal Voltage Architecture (V) | 12, 24, 42, 48 |
| Body Features | |
| Color | Black, Blue, Gray, Green, Other |
| Connector Code | 1, 2, 3, 4, A, B, C |
| Contact Features | |
| Mating Pin Diameter (mm) | 1.5, 2.5 |
| Mating Pin Diameter (in) | .059, .098 |
| Housing Features | |
| Centerline (Pitch) (mm) | 7, 8, 11.4 |
| Centerline (Pitch) (in) | .275, .276, .315, .449 |
| Usage Conditions | |
| Operating Temperature Range (°C) | -40 - 120 |
| Operating Temperature Range (°F) | -40 - 248 |
| Operation/Application | |
| Circuit Application | Signal |
| Industry Standards | |
| Degree of Protection | IP67, IP69K, IP6K9K |
| Other | |
| Connector Position Assurance Capable | No |

SEE PRODUCTS ON NEXT PAGE

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Products (1 of 5)



2,5MM BU-GEH 4P,GR



1,5MM PIN HSG 5-7 POS ASSY



2,5MM ST-GEH KPL 3P



2,5MM ST-GEH KPL 4P

| | | | | |
|--------------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|
| TE Part # | 2-967325-1 | 1718230-3 | 1-967402-2 | 1-967402-1 |
| Connector Style | Housing for female terminals | Housing for male terminals | Housing for male terminals | Housing for male terminals |
| Mating Pin Diameter | 2.5 mm | 1.5 mm | 2.5 mm | 2.5 mm |
| Connector System | Wire-to-Wire | Wire-to-Wire | Wire-to-Wire | Wire-to-Wire |
| Number of Positions | 4 | 5 | 4 | 4 |
| Centerline (Pitch) | 7 mm | 11.4 mm | 7 mm | 7 mm |
| Sealable | Yes | Yes | Yes | Yes |
| Hybrid Connector | No | No | No | No |
| Primary Locking Feature | On the Terminal | On the Terminal | On the Terminal | On the Terminal |
| Number of Rows | | | | 2 |
| Color | Gray | Black | Black | Black |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V |
| Connector Position Assurance Capable | No | No | No | No |
| Circuit Application | | | | |
| Operating Temperature Range | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C |
| Connector Code | 2 | | 1 | |
| EU RoHS Directive 2011/65 /EU | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant |
| EU ELV Directive 2000/53/EC | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant |

*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

**EU ELV Directive 2000/53/EC

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Products (2 of 5)



2,5MM ST-GEH KPL 2P



1.5MM BU-STE KPL 7P



4 POS DIA 2.5 SOCKET CONNECTOR HSG



1,5MM PIN HSG 5-7 POS ASSY

| | | | | |
|--------------------------------------|----------------------------|------------------------------|------------------------------|----------------------------|
| TE Part # | 1-967402-3 | 967650-1 | 3-1719434-1 | 1718230-2 |
| Connector Style | Housing for male terminals | Housing for female terminals | Housing for female terminals | Housing for male terminals |
| Mating Pin Diameter | 2.5 mm | 1.5 mm | 2.5 mm | 1.5 mm |
| Connector System | Wire-to-Wire | Wire-to-Wire | Wire-to-Wire | Wire-to-Wire |
| Number of Positions | 4 | 7 | 4 | 7 |
| Centerline (Pitch) | 7 mm | 11.4 mm | 7 mm | 11.4 mm |
| Sealable | Yes | Yes | Yes | Yes |
| Hybrid Connector | No | No | No | No |
| Primary Locking Feature | On the Terminal | On the Terminal | On the Terminal | On the Terminal |
| Number of Rows | | | | |
| Color | Black | Black | Green | Black |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V |
| Connector Position Assurance Capable | No | No | No | No |
| Circuit Application | | Signal | | |
| Operating Temperature Range | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C |
| Connector Code | 1 | | | A |
| EU RoHS Directive 2011/65 /EU | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant |
| EU ELV Directive 2000/53/EC | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant |

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Products (3 of 5)



2,5MM BU-GEH 2P



4 POS DIA 2.5 SOCKET
CONNECTOR HSG



2,5MM BU-GEH 3P



2,5MM BU-GEH 4P

| | | | | |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| TE Part # | 1-967325-3 | 1-1719434-1 | 1-967325-2 | 1-967325-1 |
| Connector Style | Housing for female terminals | Housing for female terminals | Housing for female terminals | Housing for female terminals |
| Mating Pin Diameter | 2.5 mm | 2.5 mm | 2.5 mm | 2.5 mm |
| Connector System | Wire-to-Wire | Wire-to-Wire | Wire-to-Wire | Wire-to-Wire |
| Number of Positions | 4 | 4 | 4 | 4 |
| Centerline (Pitch) | 7 mm | 7 mm | 7 mm | 7 mm |
| Sealable | Yes | Yes | Yes | Yes |
| Hybrid Connector | No | No | No | No |
| Primary Locking Feature | On the Terminal | On the Terminal | On the Terminal | On the Terminal |
| Number of Rows | | | | |
| Color | Black | Black | Black | Black |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V |
| Connector Position Assurance Capable | No | No | No | No |
| Circuit Application | | | | |
| Operating Temperature Range | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C |
| Connector Code | 1 | | 1 | 1 |
| EU RoHS Directive 2011/65 /EU | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant |
| EU ELV Directive 2000/53/EC | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant |

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Products (4 of 5)



2.5mm SOCKET HSG ASSEMBLY (BLACK 3 POS)



2.5mm SOCKET HSG ASSEMBLY (BLACK 4 POS)



2.5mm SOCKET HSG ASSEMBLY (BLACK 2 POS)



1,5MM PIN HSG 5-7 POS ASSY

| | | | | |
|--------------------------------------|------------------------------|------------------------------|-------------------------------|----------------------------|
| TE Part # | 1-1813099-2 | 1-1813099-1 | 1-1813099-3 | 1718230-4 |
| Connector Style | Housing for female terminals | Housing for female terminals | Housing for female terminals | Housing for male terminals |
| Mating Pin Diameter | 2.5 mm | 2.5 mm | 2.5 mm | 1.5 mm |
| Connector System | Wire-to-Wire | Wire-to-Wire | Wire-to-Board, Wire-to-Device | Wire-to-Wire |
| Number of Positions | 3 | 4 | 2 | 7 |
| Centerline (Pitch) | 7 mm | 7 mm | 7 mm | 11.4 mm |
| Sealable | Yes | Yes | Yes | Yes |
| Hybrid Connector | No | No | No | No |
| Primary Locking Feature | On the Terminal | On the Terminal | On the Terminal | On the Terminal |
| Number of Rows | 2 | 2 | 2 | |
| Color | Black | Black | Black | Black |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V |
| Connector Position Assurance Capable | No | No | No | No |
| Circuit Application | | | | |
| Operating Temperature Range | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C |
| Connector Code | | | | |
| EU RoHS Directive 2011/65/EU | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant |
| EU ELV Directive 2000/53/EC | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant |

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Products (5 of 5)



4 POS DIA 2.5 SOCKET CONNECTOR



4POS DIA 2.5 SOCKET CONNECTOR HSG



1,5MM PIN HSG 5-7 POS ASSY



2,5MM ST-GEH,ASSY4P

| | | | | |
|--------------------------------------|------------------------------|------------------------------|----------------------------|-------------------------------|
| TE Part # | 2-1719434-1 | 4-1719434-1 | 1-1718230-1 | 1241598-1 |
| Connector Style | Housing for female terminals | Housing for female terminals | Housing for male terminals | Housing for male terminals |
| Mating Pin Diameter | 2.5 mm | 2.5 mm | 1.5 mm | 2.5 mm |
| Connector System | Wire-to-Wire | Wire-to-Wire | Wire-to-Wire | Wire-to-Board, Wire-to-Device |
| Number of Positions | 4 | 4 | 7 | 4 |
| Centerline (Pitch) | 7 mm | 7 mm | 11.4 mm | 7 mm |
| Sealable | Yes | Yes | Yes | No |
| Hybrid Connector | No | No | No | No |
| Primary Locking Feature | On the Terminal | On the Terminal | On the Terminal | On the Terminal |
| Number of Rows | | | | |
| Color | Gray | Blue | Blue | Black |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V | 12 V, 24 V, 42 V, 48 V |
| Connector Position Assurance Capable | No | No | No | No |
| Circuit Application | | | | |
| Operating Temperature Range | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C | -40 - 120 °C |
| Connector Code | | | A | |
| EU RoHS Directive 2011/65 /EU | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant | EU RoHS Compliant |
| EU ELV Directive 2000/53/EC | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant | EU ELV Compliant |

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Related Materials

Flipbook Catalog

[Industrial & Commercial Transportation - Terminals and Connectors \(English\)](#)

TE's Industrial & Commercial Transportation Terminals and Connectors flipbook catalog features AMPSEAL, AMPSEAL 16, Circular DIN, DEUTSCH, HDSCS, LEAVYSEAL, and Superseal 1.0 connectors, contacts, tools, and accessories.

English

Product Specifications

[Circular DIN Connectors Product Specifications \(English & German\)](#)

This specification covers performance tests and quality requirements for Circular DIN connectors.

English

Application Specifications

[Circular DIN Connectors Application Specifications \(English & German\)](#)

This specification covers the requirements for the application of the Circular DIN connectors.

English

Connector Selector

[Connector Selector \(English\)](#)

The Connector Selector is a reference guide to TE Connectivity's (TE) Industrial & Commercial Transportation electrical connectors.

English

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