

HC-A10-I-CT-F - Contact insert

1585427

<https://www.phoenixcontact.com/us/products/1585427>



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Contact insert, number of positions: 10+PE, size: D15, number of connections per position: 1, Socket, Crimp connection, 250 V, 16 A, 0.5 mm² ... 4 mm²

Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1585427 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF61 |
| Product key | BF7ABB |
| GTIN | 4046356285155 |
| Weight per piece (including packing) | 28.32 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

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Technical data

Notes

| | |
|---------|---|
| General | for HC-D15 housing, CK2,5-ED crimp contacts (crimp contacts not supplied as standard) |
| General | Connectors may be operated only when there is no load/voltage. |

Mounting

| | |
|---------------|--|
| Assembly note | To ensure correct use, installation in housing with IP54 protection or better is required for plastic coding profiles: 4 pcs. |
|---------------|--|

Product properties

| | |
|------------------------------------|--|
| Product type | Contact insert with a fixed no. of positions |
| Series | HC-A |
| Type | D15 |
| Number of positions | 10 |
| Connection profile | 10+PE |
| Contact numbering | 1 - 10 |
| Number of connections per position | 1 |
| Contact material type | turned |

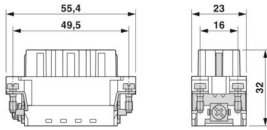
Data management status

| | |
|------------------|----|
| Article revision | 02 |
|------------------|----|

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Dimensions

| | |
|---------------------------------|--|
| Dimensional drawing |  |
| Width | 23 mm |
| Height | 33 mm |
| Length | 55.5 mm |
| Drill hole distance, horizontal | 49.5 mm |
| Drill hole distance, vertical | 16 mm |

Mechanical characteristics

| | |
|------------------|--------|
| Contact diameter | 2.5 mm |
|------------------|--------|

Connection data

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Connection technology

| | |
|------------------------------------|------------------|
| Connection technology | Crimp connection |
| Number of connections per position | 1 |
| Connection in acc. with standard | IEC / EN |

Conductor connection

| | |
|---|---|
| Conductor cross section | 0.5 mm ² ... 4 mm ² |
| Connection cross section AWG | 20 ... 12 |
| Tightening torque | 0.7 Nm ... 1 Nm (PE connection) 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| Stripping length of the individual wire | 8 mm |

Electrical properties

| | |
|-----------------------|-------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage | 4 kV |
| Rated current | 16 A |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

Material specifications

| | |
|--------------------------|---|
| Contact material | Copper alloy |
| Contact surface material | Ag (alternatively Au) |
| Contact carrier material | PC |
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
|---------------------------------|--|

Standards and regulations

Testing

| | |
|-----------------------|---|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |
|-----------------------|---|

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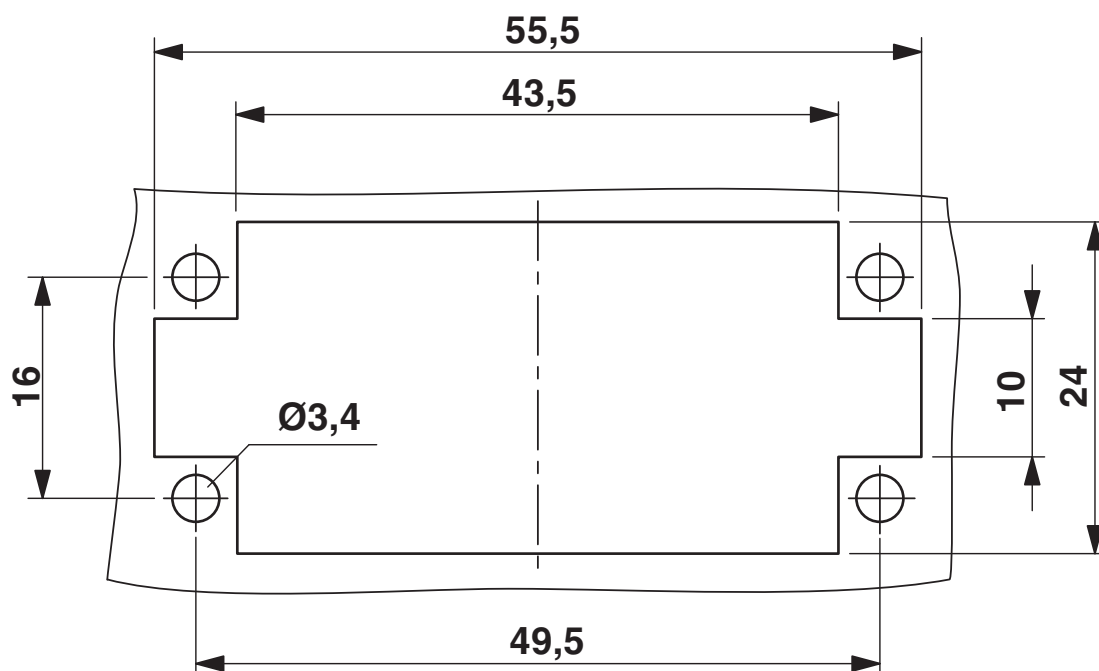
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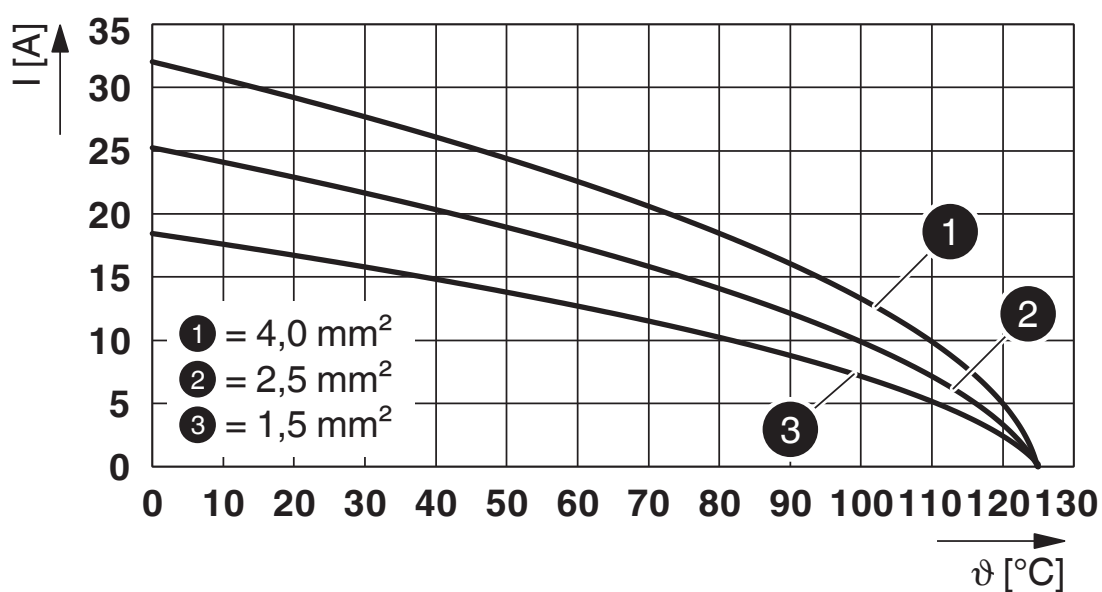
Drawings

Dimensional drawing



Mounting cutout

Diagram



Derating diagram

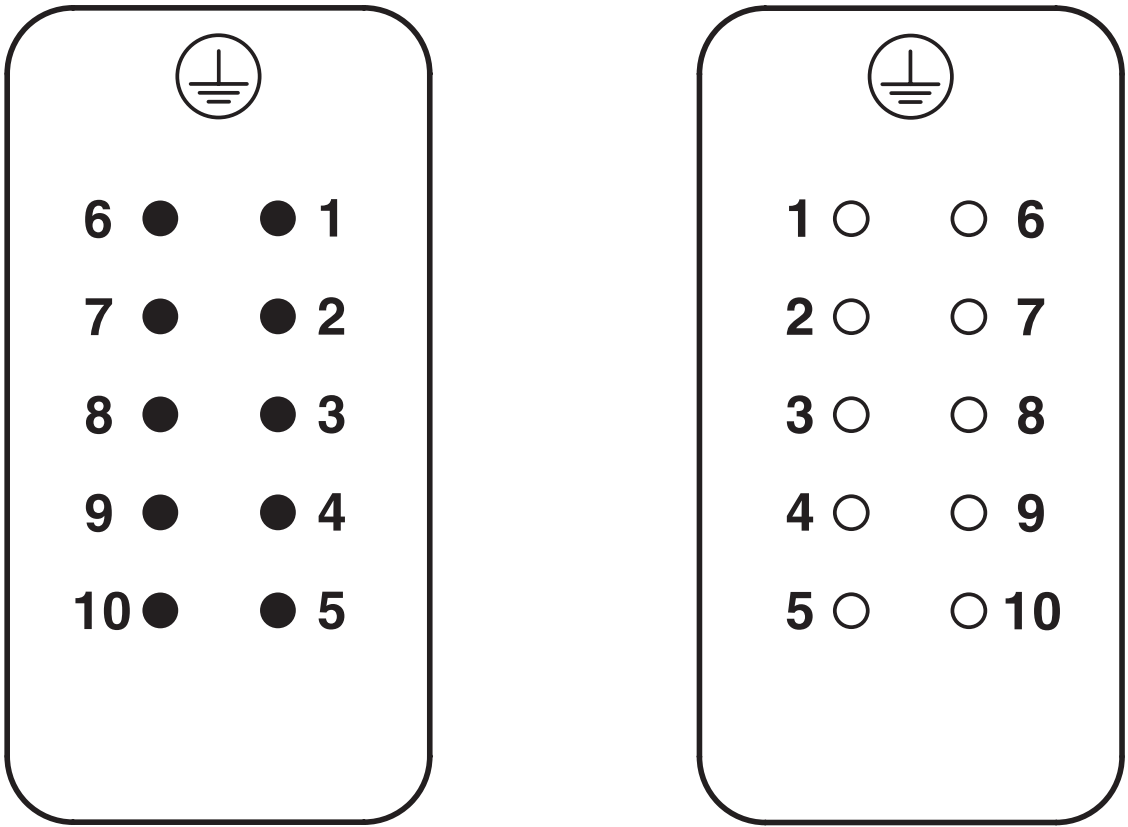
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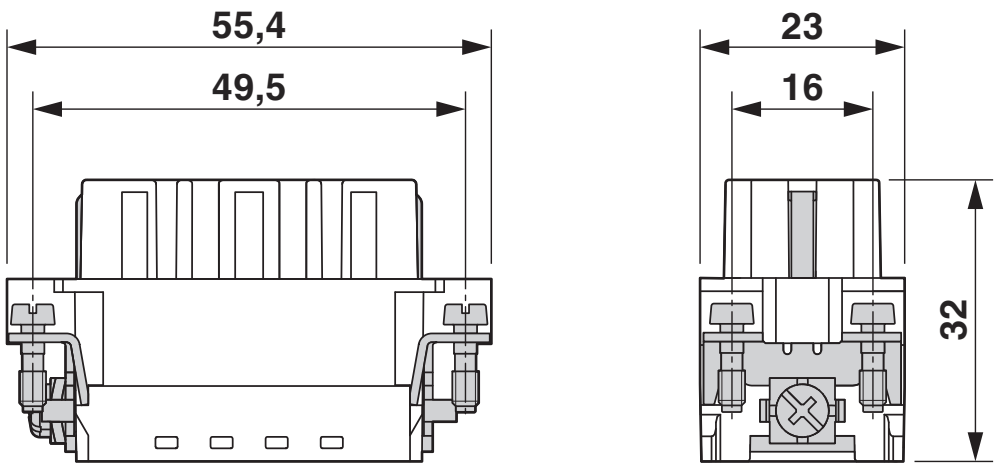
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Schematic diagram



Connector pin assignment, connection side

Dimensional drawing



Female insert

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1585427>

DNV

Approval ID: TAE000037S

| | | | | |
|--|---|-----------------------|-------------------|-----------------------------|
| | <div>CSA</div> <div>Approval ID: 013631_6233_01</div> | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 250 V | 16 A | - 12 | - |

EAC

Approval ID: RU C-DE.BL08.B.00511

| | | | | |
|--|---|-----------------------|-------------------|-----------------------------|
| | <div>cULus Recognized</div> <div>Approval ID: E468743</div> | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 250 V | 16 A | - 12 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440205 |
| ECLASS-12.0 | 27440205 |
| ECLASS-13.0 | 27440205 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC000438 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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Environmental product compliance

| | |
|---|--|
| EU RoHS | |
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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Accessories

CP-HC-S - Coding profile

1410916

<https://www.phoenixcontact.com/us/products/1410916>

Coding profile, for contact inserts HC-BB... / HC-A10... / HC-A16...



HC-CP-CK2.5-PL - Coding element

1095419

<https://www.phoenixcontact.com/us/products/1095419>

Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB../HC-M... series contact inserts.



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HC-CB - Coding bolt

1772722

<https://www.phoenixcontact.com/us/products/1772722>



Coding pin, prevents mismating of up to six connectors with an identical number of positions

HC-CST - Coding element

1676857

<https://www.phoenixcontact.com/us/products/1676857>



Coding peg for coding up to 16 connectors

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HC-CBU - Coding element

1676860

<https://www.phoenixcontact.com/us/products/1676860>



Coding socket for coding up to 16 connectors

HC-A-PES - Screw

1584868

<https://www.phoenixcontact.com/us/products/1584868>



PE screw for contact inserts of A series

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CK2,5-ED-0,50BU AG - Crimp contact

1663640

<https://www.phoenixcontact.com/us/products/1663640>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

CK2,5-ED-0,75BU AG - Crimp contact

1663653

<https://www.phoenixcontact.com/us/products/1663653>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

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CK2,5-ED-1,00BU AG - Crimp contact

1663666

<https://www.phoenixcontact.com/us/products/1663666>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

CK2,5-ED-1,50BU AG - Crimp contact

1663679

<https://www.phoenixcontact.com/us/products/1663679>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

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CK2,5-ED-2,50BU AG - Crimp contact

1663682

<https://www.phoenixcontact.com/us/products/1663682>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

CK2,5-ED-3,00BU AG - Crimp contact

1663695

<https://www.phoenixcontact.com/us/products/1663695>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 3 mm² ... 3 mm², AWG 12

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CK2,5-ED-4,00BU AG - Crimp contact

1663705

<https://www.phoenixcontact.com/us/products/1663705>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

CK2,5-ED-0,50F AG - Crimp contact

1273612

<https://www.phoenixcontact.com/us/products/1273612>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

HC-A10-I-CT-F - Contact insert

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<https://www.phoenixcontact.com/us/products/1585427>



CK2,5-ED-0,75F AG - Crimp contact

1273611

<https://www.phoenixcontact.com/us/products/1273611>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

CK2,5-ED-1,00F AG - Crimp contact

1273610

<https://www.phoenixcontact.com/us/products/1273610>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

HC-A10-I-CT-F - Contact insert

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<https://www.phoenixcontact.com/us/products/1585427>



CK2,5-ED-1,50F AG - Crimp contact

1273609

<https://www.phoenixcontact.com/us/products/1273609>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

CK2,5-ED-2,50F AG - Crimp contact

1273607

<https://www.phoenixcontact.com/us/products/1273607>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

HC-A10-I-CT-F - Contact insert

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CK2,5-ED-3,00F AG - Crimp contact

1273606

<https://www.phoenixcontact.com/us/products/1273606>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 3 mm² ... 3 mm², AWG 12

CK2,5-ED-4,00F AG - Crimp contact

1273604

<https://www.phoenixcontact.com/us/products/1273604>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

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CK2,5-ED-0,37BU AU - Crimp contact

1585647

<https://www.phoenixcontact.com/us/products/1585647>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.14 mm² ... 0.37 mm², AWG 22 ... 26

CK2,5-ED-0,50BU AU - Crimp contact

1674859

<https://www.phoenixcontact.com/us/products/1674859>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

HC-A10-I-CT-F - Contact insert

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CK2,5-ED-1,00BU AU - Crimp contact

1674833

<https://www.phoenixcontact.com/us/products/1674833>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

CK2,5-ED-1,50BU AU - Crimp contact

1674820

<https://www.phoenixcontact.com/us/products/1674820>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

HC-A10-I-CT-F - Contact insert

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<https://www.phoenixcontact.com/us/products/1585427>



CK2,5-ED-2,50BU AU - Crimp contact

1674862

<https://www.phoenixcontact.com/us/products/1674862>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

CK2,5-ED-4,00BU AU - Crimp contact

1674846

<https://www.phoenixcontact.com/us/products/1674846>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

HC-A10-I-CT-F - Contact insert

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CK2,5-ED-0,37F AU - Crimp contact

1273567

<https://www.phoenixcontact.com/us/products/1273567>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 0.14 mm² ... 0.37 mm², AWG 22 ... 26

CK2,5-ED-0,50F AU - Crimp contact

1273564

<https://www.phoenixcontact.com/us/products/1273564>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

HC-A10-I-CT-F - Contact insert

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CK2,5-ED-1,00F AU - Crimp contact

1271379

<https://www.phoenixcontact.com/us/products/1271379>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

CK2,5-ED-1,50F AU - Crimp contact

1271375

<https://www.phoenixcontact.com/us/products/1271375>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

HC-A10-I-CT-F - Contact insert

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CK2,5-ED-2,50F AU - Crimp contact

1271376

<https://www.phoenixcontact.com/us/products/1271376>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

CK2,5-ED-4,00F AU - Crimp contact

1271372

<https://www.phoenixcontact.com/us/products/1271372>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

HC-A10-I-CT-F - Contact insert

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HC-A10-I-CT-M - Contact insert

1585414

<https://www.phoenixcontact.com/us/products/1585414>



Contact insert, number of positions: 10+PE, size: D15, number of connections per position: 1, Pin, Crimp connection, 250 V, 16 A, 0.5 mm² ... 4 mm²

HC-A-PE-PT - Adapter

1054712

<https://www.phoenixcontact.com/us/products/1054712>



PE adapter with PT connection, for 1 PE connection, for HC-A10 / HC-A16 / HC-D15 / HC-D25 series contact inserts

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UNIFOX MT-CK 1.6/2.5 - Assembly tool

1089092

<https://www.phoenixcontact.com/us/products/1089092>

Assembly tool, for CK 1.6... crimp contacts for small conductor cross sections



UNIFOX RT-CK 2.5 - Contact removal tool

1072067

<https://www.phoenixcontact.com/us/products/1072067>

Contact removal tool, for turned CK 2,5... contacts



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