

# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact insert, number of positions: 4+2+PE, size: COM, power contacts: 4, control contacts: 2, number of connections per position: 1, Pin, Crimp connection, 400 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power/signal

## Product description

Contact insert, incl. 4 mounting screws

## Commercial data

Item number	1079555
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABH
Catalog page	Page 651 (C-2-2019)
GTIN	4055626800332
Weight per piece (including packing)	30.2 g
Weight per piece (excluding packing)	25.5 g
Customs tariff number	85389099
Country of origin	CN

# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

## Technical data

### Notes

General	Connectors may be operated only when there is no load/voltage.
General	For crimp contacts CK4.0-ED.. (control circuit), CK1.6-ED... (control circuit)

### Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
-----------------------	---

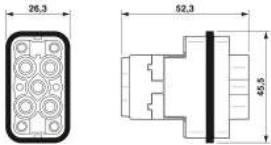
### Product properties

Type	COM
Product type	Contact insert with a fixed no. of positions
Number of positions	6
Connection profile	4+2+PE
Contact numbering	1 - 4 (power contacts) 11 - 12 (control contacts)
Application	Power/signal
Number of connections per position	1
No. of power contacts	4
No. of control contacts	2
Contact material type	turned
Series	HC-COM

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	26.3 mm
Height	52.3 mm
Length	45.5 mm

### Mechanical characteristics

Contact diameter	4 mm
------------------	------

### Connection data

Connection technology

# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

Connection technology	Crimp connection (power contacts)
	Crimp connection (control contacts)
	Crimp connection (PE contact)
Number of connections per position	1
Connection in acc. with standard	IEC / EN

## Conductor connection

Conductor cross section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts)
	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)
Connection cross section AWG	16 ... 10 (power contacts)
	26 ... 14 (control contacts)
Tightening torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	9 mm (for 1.5 ... 2.5 mm <sup>2</sup> )
	9.6 mm (Power 4 ... 6 mm <sup>2</sup> )
	8 mm (Control circuit)
	6 mm (Signal 2.5 mm <sup>2</sup> )

## Electrical properties

Rated voltage (III/3)	400 V (Phase-ground power contacts)
	250 V (control contacts)
	690 V (Phase-phase power contacts)
Rated voltage for power contacts	400/690 V
	250
Rated surge voltage	6 kV (Phase-phase power contacts)
	4 kV (control contacts)
Rated current	40 A (power contacts)
	10 A (control contacts)

## Mechanical properties

### Mechanical data

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

## Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag (alternatively Au)
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

# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

## 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)

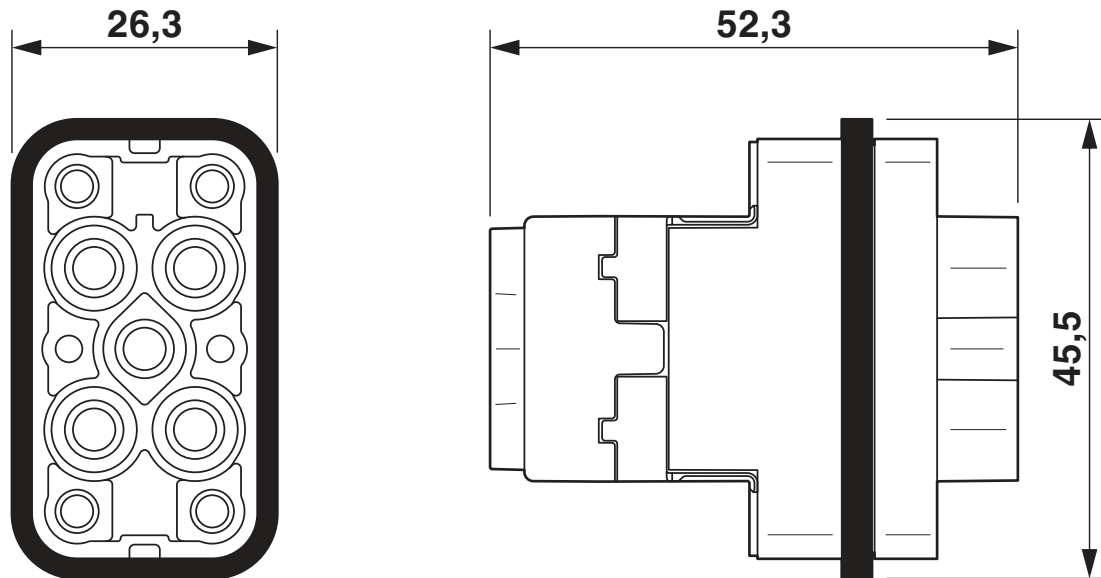
# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

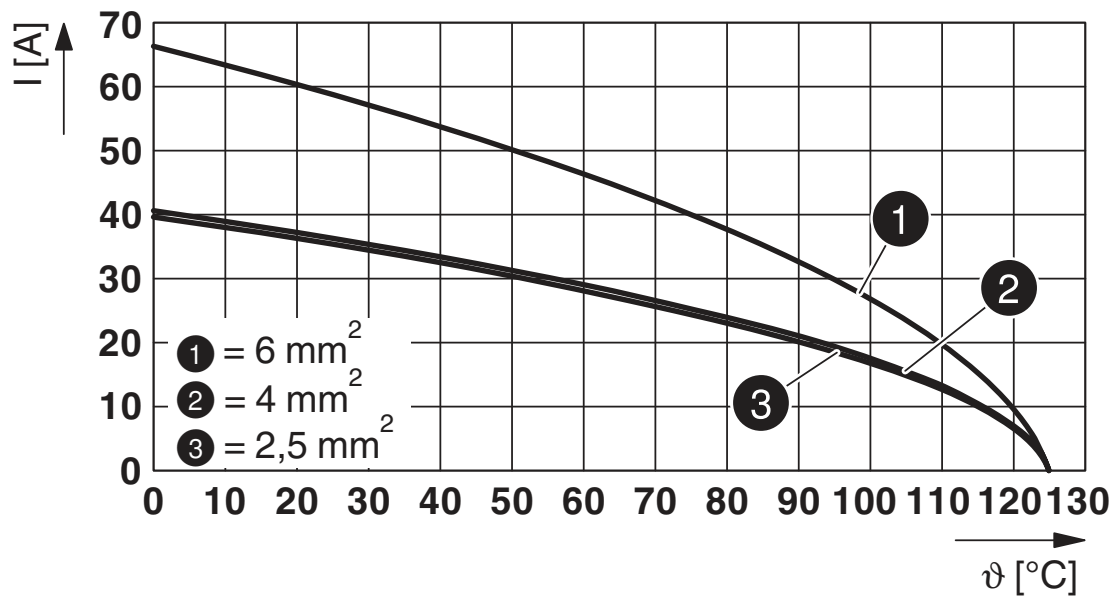
<https://www.phoenixcontact.com/us/products/1079555>

## Drawings

Dimensional drawing



Diagram



Derating diagram

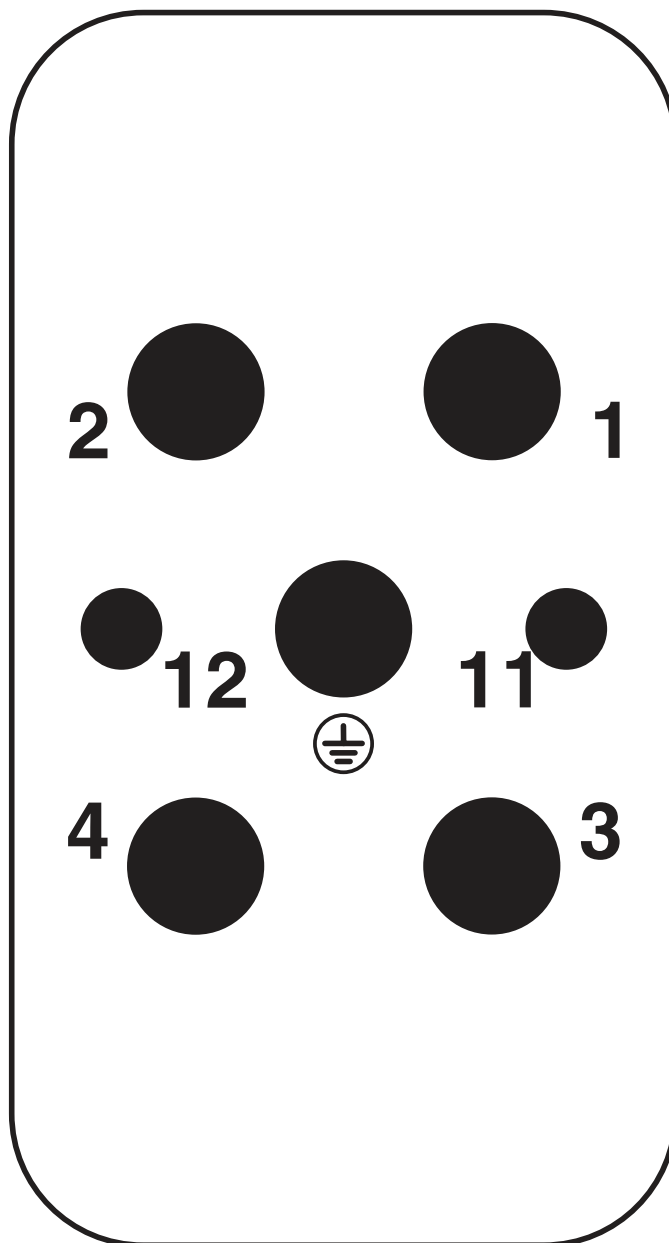
# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



Schematic diagram



Connector pin assignment, connection side

# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1079555>



**EAC**

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



**UL Recognized**

Approval ID: E468743

# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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



# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
------------	---

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## Accessories

### CK4,0-ED-4,00ST AG - Crimp contact

1663255

<https://www.phoenixcontact.com/us/products/1663255>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 4 mm<sup>2</sup> ... 4 mm<sup>2</sup>, AWG 12

---

### CK1,6-ED-ST-POF - Male contact

1884995

<https://www.phoenixcontact.com/us/products/1884995>



POF fiber optic pin contact, turned, for contact carriers (HC-DD...I-CT.../ HC-M-12-CT-.../ HC-M-17-CT-...) of CK1,6-ED... contacts

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-ED-0,37ST AG - Crimp contact

1663336

<https://www.phoenixcontact.com/us/products/1663336>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.14 mm<sup>2</sup> ... 0.37 mm<sup>2</sup>, AWG 26 ... 22

---

## CK1,6-ED-0,50ST AG - Crimp contact

1663349

<https://www.phoenixcontact.com/us/products/1663349>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.5 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>, AWG 20

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-ED-0,75ST AG - Crimp contact

1663352

<https://www.phoenixcontact.com/us/products/1663352>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>, AWG 18

---

## CK1,6-ED-1,00ST AG - Crimp contact

1663365

<https://www.phoenixcontact.com/us/products/1663365>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1 mm<sup>2</sup> ... 1 mm<sup>2</sup>, AWG 18

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>

## CK1,6-ED-1,50ST AG - Crimp contact

1663378

<https://www.phoenixcontact.com/us/products/1663378>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 16

---

## CK1,6-ED-2,50ST AG - Crimp contact

1663381

<https://www.phoenixcontact.com/us/products/1663381>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 14

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-ED-0,37M AG - Crimp contact

1266193

<https://www.phoenixcontact.com/us/products/1266193>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 0.14 mm<sup>2</sup> ... 0.34 mm<sup>2</sup>, AWG 26 ... 22

---

## CK1,6-ED-0,50M AG - Crimp contact

1266195

<https://www.phoenixcontact.com/us/products/1266195>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 0.5 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>, AWG 20

## HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



### CK1,6-ED-1,50M AG - Crimp contact

1266245

<https://www.phoenixcontact.com/us/products/1266245>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 16

---

### CK1,6-ED-0,75M AG - Crimp contact

1266450

<https://www.phoenixcontact.com/us/products/1266450>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 0.75 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>, AWG 18

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-ED-1,00M AG - Crimp contact

1266244

<https://www.phoenixcontact.com/us/products/1266244>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1 mm<sup>2</sup> ... 1 mm<sup>2</sup>, AWG 18

---

## CK1,6-ED-2,50M AG - Crimp contact

1266247

<https://www.phoenixcontact.com/us/products/1266247>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 2.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 14



# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-ED-0,37ST AU - Crimp contact

1674901

<https://www.phoenixcontact.com/us/products/1674901>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.14 mm<sup>2</sup> ... 0.37 mm<sup>2</sup>, AWG 22 ... 24

---

## CK1,6-ED-0,50ST AU - Crimp contact

1672453

<https://www.phoenixcontact.com/us/products/1672453>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.5 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>, AWG 20

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-ED-0,75ST AU - Crimp contact

1674914

<https://www.phoenixcontact.com/us/products/1674914>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.75 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>, AWG 18

---

## CK1,6-ED-1,00ST AU - Crimp contact

1674888

<https://www.phoenixcontact.com/us/products/1674888>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1 mm<sup>2</sup> ... 1 mm<sup>2</sup>, AWG 18

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-ED-1,50ST AU - Crimp contact

1674875

<https://www.phoenixcontact.com/us/products/1674875>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 16

---

## CK1,6-ED-2,50ST AU - Crimp contact

1674927

<https://www.phoenixcontact.com/us/products/1674927>



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 2.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 14

# HC-COM-Q4/2-I-CT-M - Contact insert



1079555

<https://www.phoenixcontact.com/us/products/1079555>

## CK1,6-ER-1,00ST OIC AG - Crimp contact

1004360

<https://www.phoenixcontact.com/us/products/1004360>



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm<sup>2</sup> ... 1 mm<sup>2</sup>, AWG 22 ... 17

---

## CK1,6-ER-2,50ST OIC AG - Crimp contact

1004365

<https://www.phoenixcontact.com/us/products/1004365>



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 16 ... 14

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK1,6-BR-1,00ST OIC AG - Crimp contact

1004380

<https://www.phoenixcontact.com/us/products/1004380>



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm<sup>2</sup> ... 1 mm<sup>2</sup>, AWG 22 ... 17, Taped products

---

## CK1,6-BR-2,50ST OIC AG - Crimp contact

1004382

<https://www.phoenixcontact.com/us/products/1004382>



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 16 ... 14, Taped products

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK4,0-ED-1,50ST AG - Crimp contact

1663239

<https://www.phoenixcontact.com/us/products/1663239>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 16

---

## CK4,0-ED-2,50ST AG - Crimp contact

1663242

<https://www.phoenixcontact.com/us/products/1663242>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 14

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>

## CK4,0-ED-6,00ST AG - Crimp contact

1663268

<https://www.phoenixcontact.com/us/products/1663268>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 6 mm<sup>2</sup> ... 6 mm<sup>2</sup>, AWG 10

---

## CK4,0-ED-10,00ST AG - Crimp contact

1586198

<https://www.phoenixcontact.com/us/products/1586198>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 10 mm<sup>2</sup> ... 10 mm<sup>2</sup>, AWG 8

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK4,0-ED-1,50M AG - Crimp contact

1274097

<https://www.phoenixcontact.com/us/products/1274097>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 16

---

## CK4,0-ED-2,50M AG - Crimp contact

1274094

<https://www.phoenixcontact.com/us/products/1274094>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 2.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 14



# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CK4,0-ED-4,00M AG - Crimp contact

1274093

<https://www.phoenixcontact.com/us/products/1274093>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 4 mm<sup>2</sup> ... 4 mm<sup>2</sup>, AWG 12

---

## CK4,0-ED-6,00M AG - Crimp contact

1274092

<https://www.phoenixcontact.com/us/products/1274092>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 6 mm<sup>2</sup> ... 6 mm<sup>2</sup>, AWG 10

## HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



### CK4,0-ED-10,00M AG - Crimp contact

1274091

<https://www.phoenixcontact.com/us/products/1274091>



Crimp contact, contact diameter: 4 mm, turned, Pin, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 10 mm<sup>2</sup> ... 10 mm<sup>2</sup>, AWG 8

---

## HC-COM-Q4/2-I-CT-F - Contact insert

1079556

<https://www.phoenixcontact.com/us/products/1079556>



Contact insert, number of positions: 4+2+PE, size: COM, power contacts: 4, control contacts: 2, number of connections per position: 1, Socket, Crimp connection, 400 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power/signal

## HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## CRIMPFOX-TC 10 - Crimping pliers

1212114

<https://www.phoenixcontact.com/us/products/1212114>



**Crimping pliers**, for turned contacts with a pin diameter of 4.0 mm, two marked die stations, pressure lock can be released, lateral entry, incl. positioning help

---

## 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

# HC-COM-Q4/2-I-CT-M - Contact insert

1079555

<https://www.phoenixcontact.com/us/products/1079555>



## UNIFOX RT-CK 1.6 - Contact removal tool

1072069

<https://www.phoenixcontact.com/us/products/1072069>



Contact removal tool, for turned and rolled CK- 1.6-... contacts

---

## UNIFOX RT-CK 4.0 - Contact removal tool

1072064

<https://www.phoenixcontact.com/us/products/1072064>



Contact removal tool, for rotated CK-4,0-... contacts

---

Phoenix Contact 2023 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)