

HC-COM-Q08-I-CT-F - Contact insert



1079547

<https://www.phoenixcontact.com/us/products/1079547>

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Contact insert, number of positions: 8+PE, size: COM, power contacts: 8, control contacts: 0, number of connections per position: 1, Socket, Crimp connection, 320 V, 16 A, 0.5 mm² ... 4 mm², application: Power

Product description

Contact insert, incl. 4 mounting screws

Commercial data

Item number	1079547
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABH
Catalog page	Page 651 (C-2-2019)
GTIN	4055626799490
Weight per piece (including packing)	20.5 g
Weight per piece (excluding packing)	20.22 g
Customs tariff number	85389099
Country of origin	CN

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Technical data

Notes

General	Connectors may be operated only when there is no load/voltage.
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Mounting

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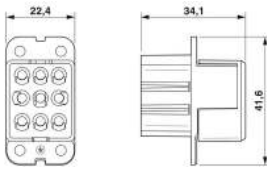
Product properties

Type	COM
Product type	Contact insert with a fixed no. of positions
Number of positions	8
Connection profile	8+PE
Contact numbering	1 - 8
Application	Power
Number of connections per position	1
No. of power contacts	8
No. of control contacts	0
Contact material type	turned
Series	HC-COM

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	25.6 mm
Height	48.05 mm
Length	45 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

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

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Conductor connection

Conductor cross section	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm (Power)

Electrical properties

Rated voltage (III/2) contacts	500 V
Rated voltage (III/3)	320 V
Rated voltage for power contacts	500
Rated surge voltage	6 kV
Rated current	16 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
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)
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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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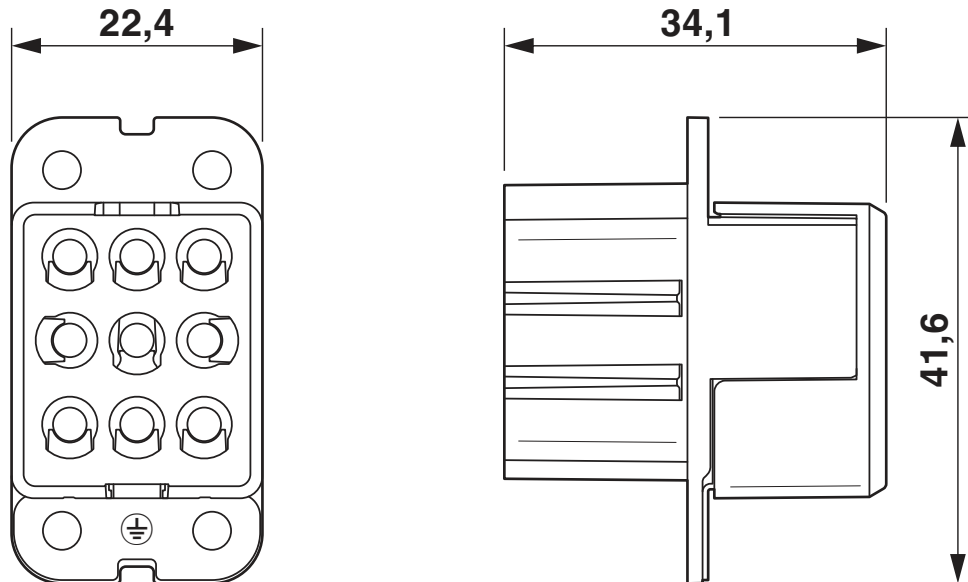
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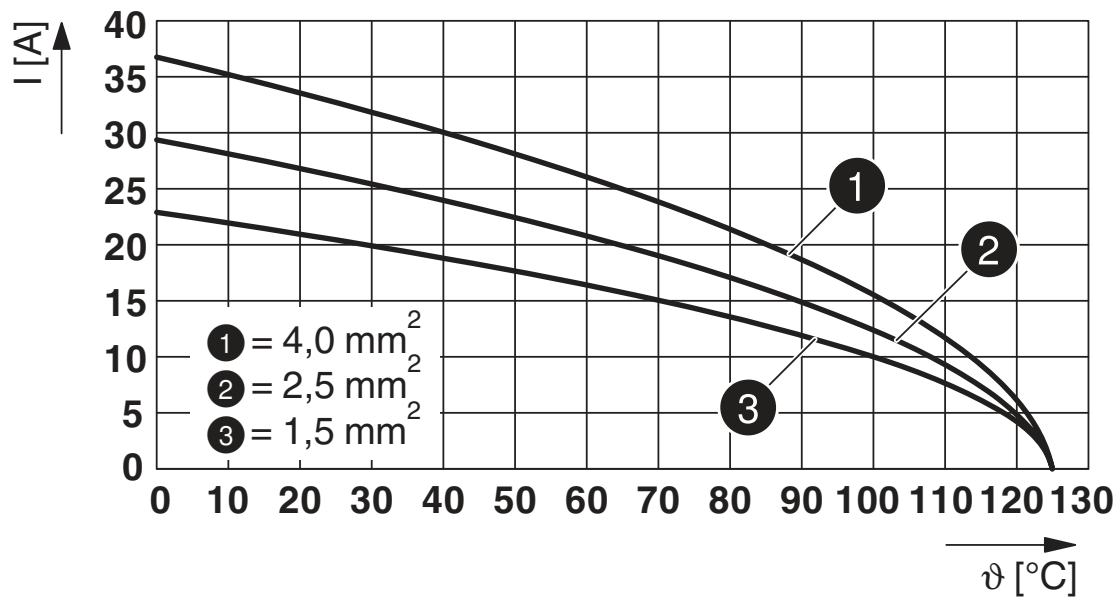
Drawings

Dimensional drawing



Dimensional drawing

Diagram



Derating diagram

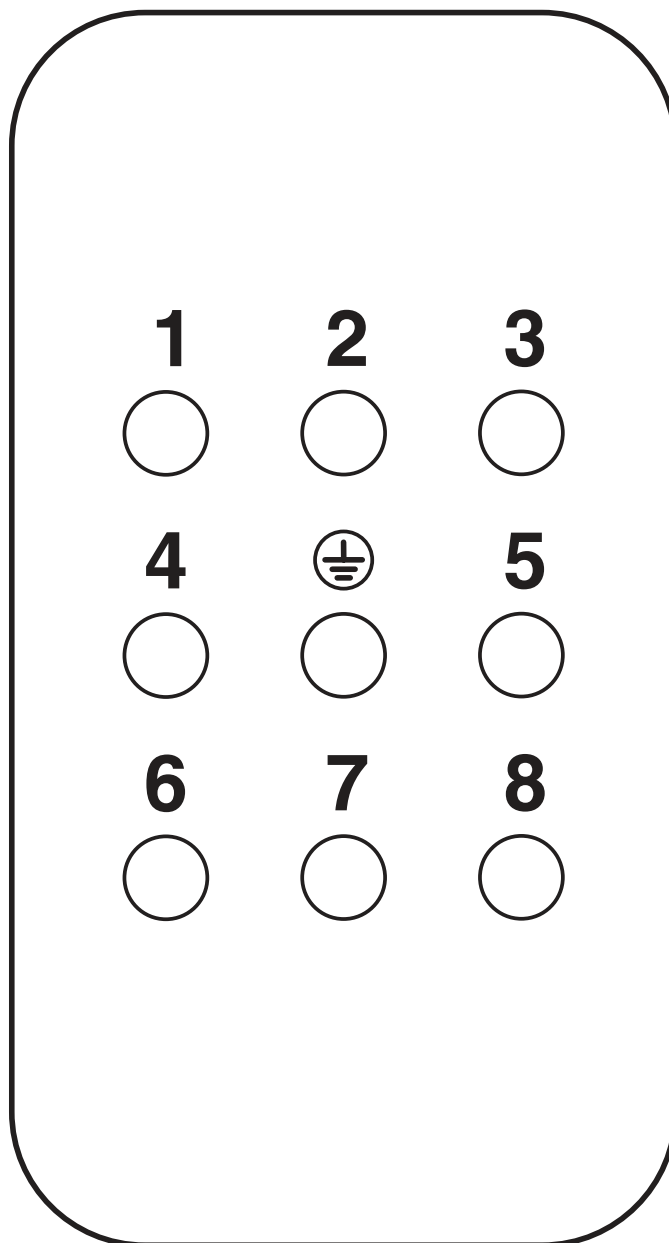
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Schematic diagram



Connector pin assignment, connection side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1079547>



EAC

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



UL Recognized

Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	24 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
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

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

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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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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

HC-COM-Q08-I-CT-F - Contact insert

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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: 0.75 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

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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

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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

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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

HC-COM-Q08-I-CT-F - Contact insert

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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

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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: 0.75 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

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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

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

1273567

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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

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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

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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-COM-Q08-I-CT-F - Contact insert

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HC-COM-Q08-I-CT-M - Contact insert

1079548

<https://www.phoenixcontact.com/us/products/1079548>



Contact insert, number of positions: 8+PE, size: COM, power contacts: 8, control contacts: 0, number of connections per position: 1, Pin, Crimp connection, 320 V, 16 A, 0.5 mm² ... 4 mm², application: Power

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-Q08-I-CT-F - Contact insert

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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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