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

1079548

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

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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, Pin, Crimp connection, 320 V, 16 A, 0.5 mm^2 ... 4 mm^2, application: Power

Product description

Contact insert, incl. 4 mounting screws

Your advantages

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

Commercial data

Item number	1079548
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABH
GTIN	4055626800301
Weight per piece (including packing)	22.4 g
Weight per piece (excluding packing)	20.5 g
Customs tariff number	85389099
Country of origin	CN

Technical data

Notes

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

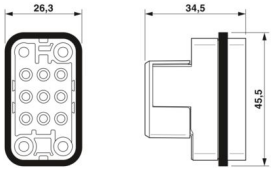
Product properties

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

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

Connection data

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 mm² ... 4 mm²
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

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR (profile gasket)
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Environmental and real-life conditions

Ambient conditions

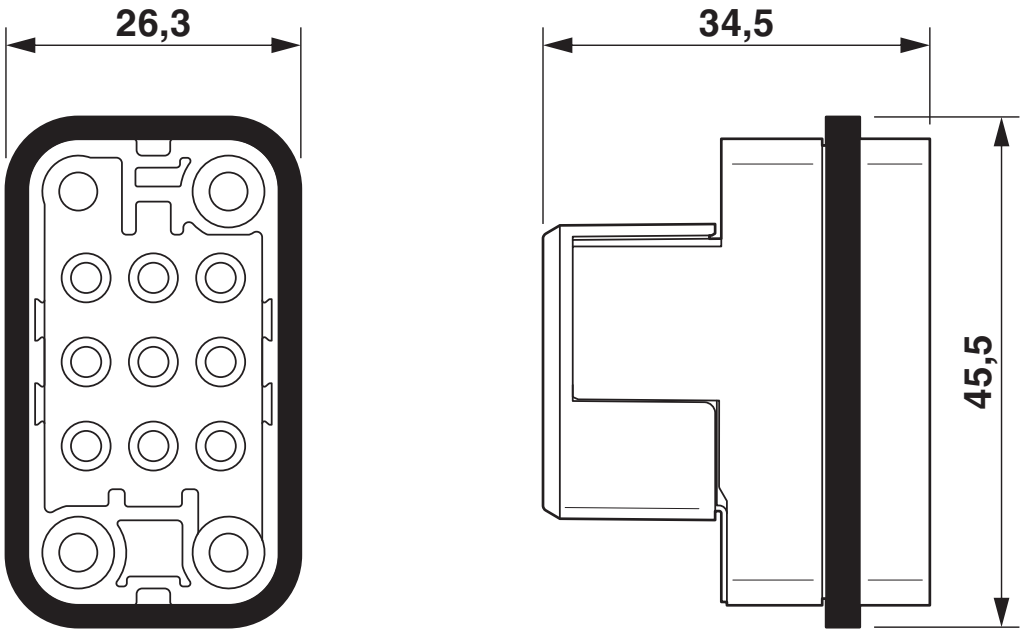
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

Standards and regulations

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

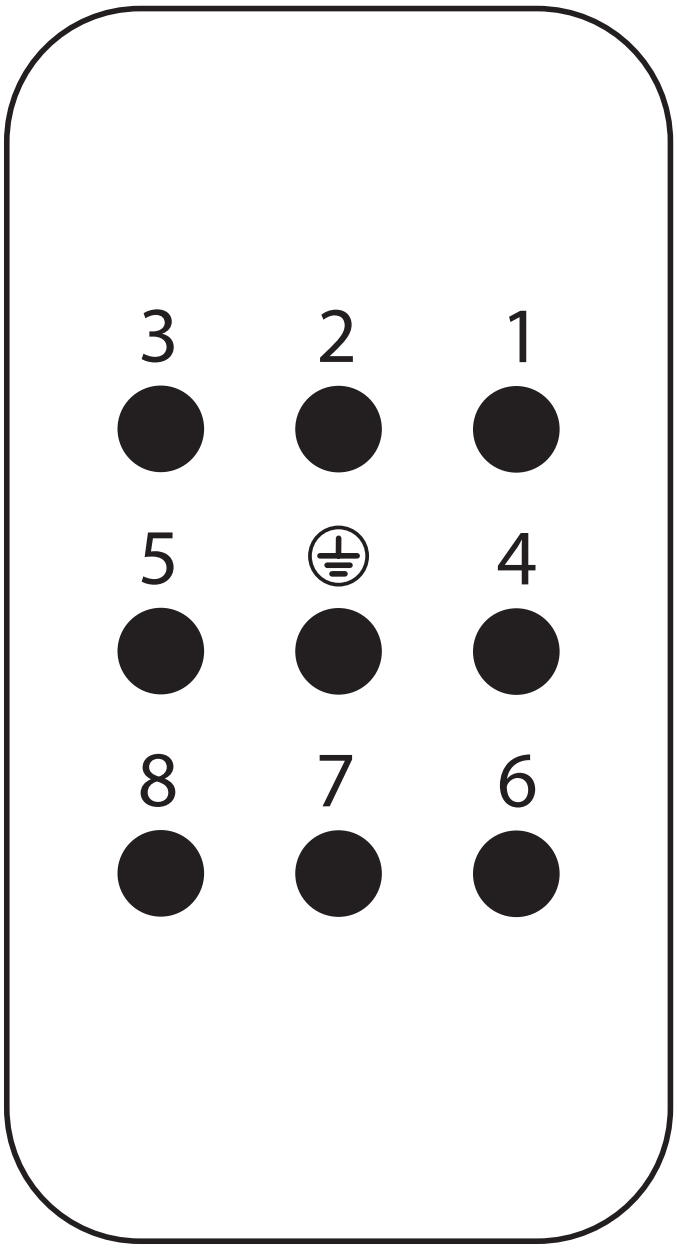
Drawings

Dimensional drawing



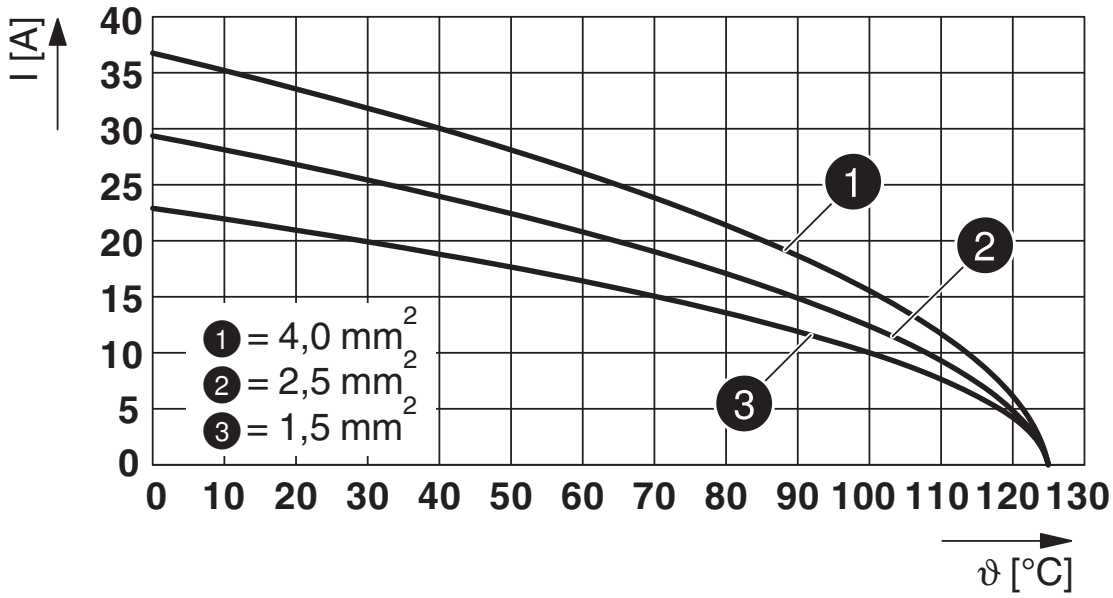
HC-COM-8-EBUC dimensional drawing

Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1079548

UL Recognized
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	24 A	- 12	-

Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

ETIM 10.0	EC000438

UNSPSC

UNSPSC 21.0	39121500

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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