

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



1079553

<https://www.phoenixcontact.com/us/products/1079553>

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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, Push-in connection, 320 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power

Product description

Contact insert, incl. 4 mounting screws

Your advantages

- Easy installation without tools, even when mounted, with push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Shock and vibration-resistant in accordance with DIN EN 61373
- Cost-effective and fast coding with plastic profiles

Commercial data

Item number	1079553
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABH
GTIN	4055626800318
Weight per piece (including packing)	38.5 g
Weight per piece (excluding packing)	38.5 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	for flexible conductors with or without ferrules
General	Connectors may be operated only when there is no load/voltage.
General	Flexible conductors may be used without ferrules as long as they comply with IEC 60228 Class 1 ... 5. The individual litz wires must have a min. diameter of 0.17 mm.

Mounting

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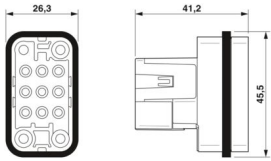
Product properties

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
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Connection data

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Connection technology

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

Conductor connection

Conductor cross-section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 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
Seal material Profile gasket	NBR, conductive
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Standards/regulations	PC

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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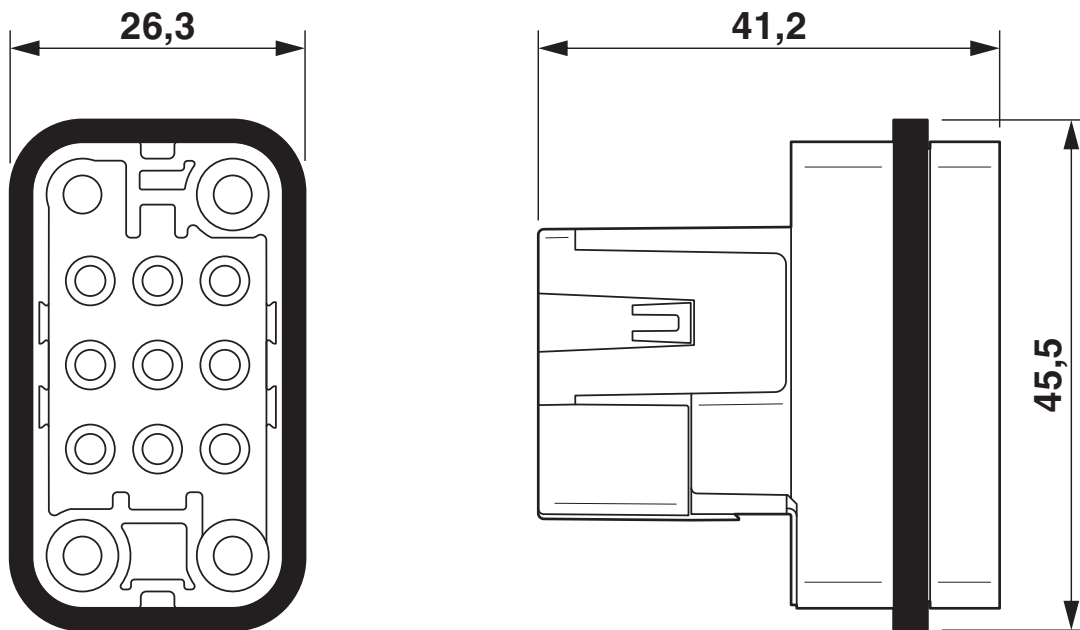
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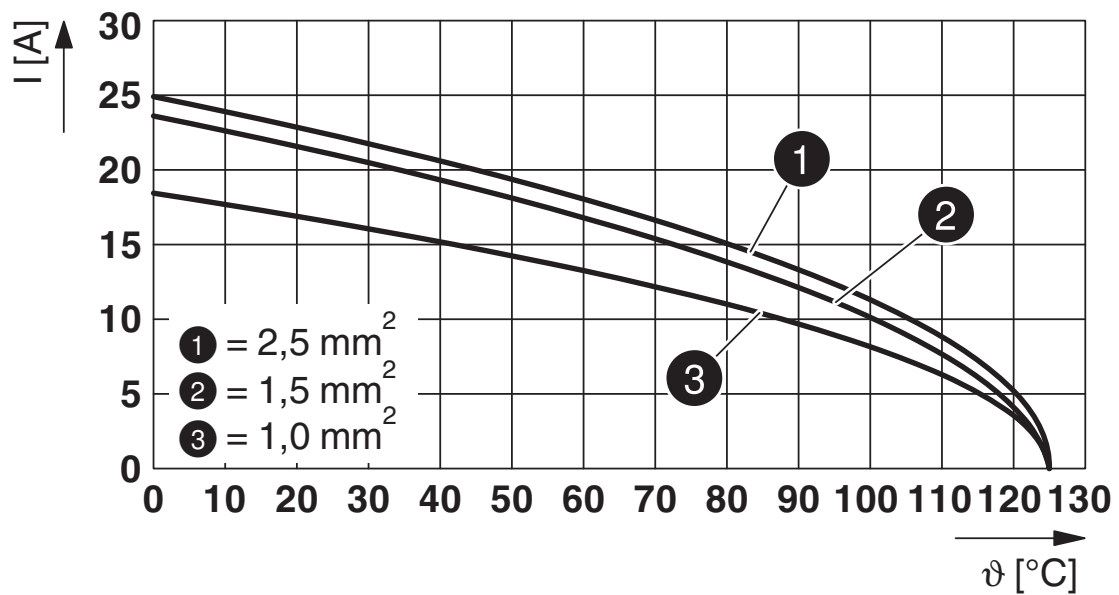
Drawings

Dimensional drawing



Dimensional drawing

Diagram



Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1079553>

 UL Recognized Approval ID: E468743				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	20 A	- 14	-

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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

ETIM 10.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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