

# HC-CME-DD-107-M - Conductor connector



1549645

<https://www.phoenixcontact.com/us/products/1549645>

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Conductor connector, number of positions: 107+PE, number of connections per position: 1, Pin, Crimp connection, 250 V, 10 A, 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, for connections in control cabinets

## Commercial data

Item number	1549645
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BF61
Product key	AF7ABZ
GTIN	4067923025509
Weight per piece (including packing)	56.33 g
Weight per piece (excluding packing)	55.24 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 note	Use within a control cabinet that is protected against unauthorized access is essential to ensure correct use. At the installation location in the control cabinet, the cable bundle to be connected must be properly installed and fitted with strain relief. As the pin connector pattern does not provide a leading protective conductor contact (PE), consistent grounding must be ensured by the control cabinet assembly.
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### Product properties

Product type	Contact insert with a fixed no. of positions
Number of positions	107
Connection profile	107+PE
Number of connections per position	1
Contact material type	turned
	rolled

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Mechanical characteristics	
Contact diameter	1.6 mm

### Connection data

Connection technology	
Connection technology	Crimp connection
Number of connections per position	1

### Conductor connection

Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> )
	6 mm (2.5 mm <sup>2</sup> )

### Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A

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## Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

## Environmental and real-life conditions

### Ambient conditions

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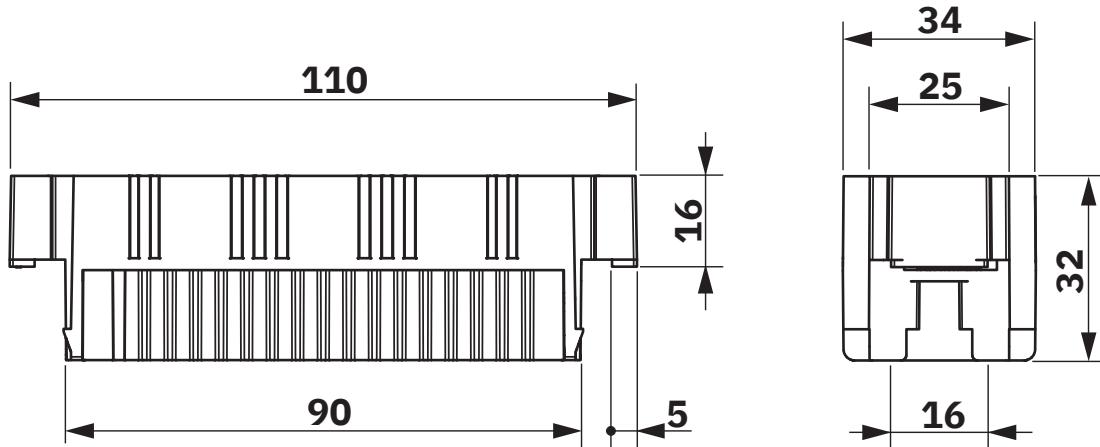
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## Drawings

Dimensional drawing



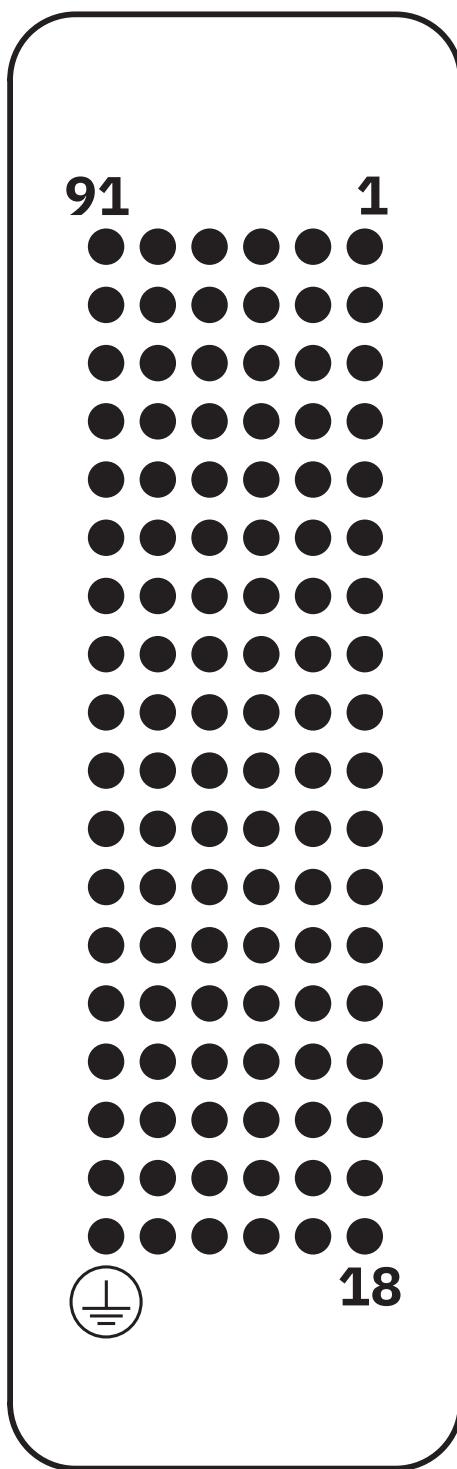
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Schematic diagram



Connector pin assignment, connection side

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## Classifications

### ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

### ETIM

ETIM 9.0	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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