HC-CME-DD42-M - Power connector

1425840

https://www.phoenixcontact.com/us/products/1425840

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HEAVYCON connection system for applications in the control cabinet

Commercial data

Item number	1425840
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABZ
GTIN	4055626428796
Weight per piece (including packing)	31.98 g
Weight per piece (excluding packing)	25 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	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.

Product properties

Product type	Contact insert with a fixed no. of positions
Application	Signal
Number of positions	42
Connection profile	42
Contact numbering	1 - 42
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 mm² ... 2.5 mm²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (0.14 mm² ... 1.5 mm²)
	6 mm (2.5 mm²)

Electrical properties

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

Rated current	10 A

Material specifications

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

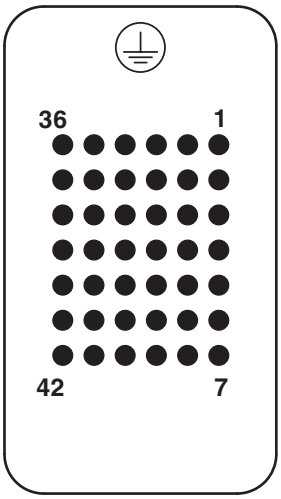
Environmental and real-life conditions

Ambient conditions

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

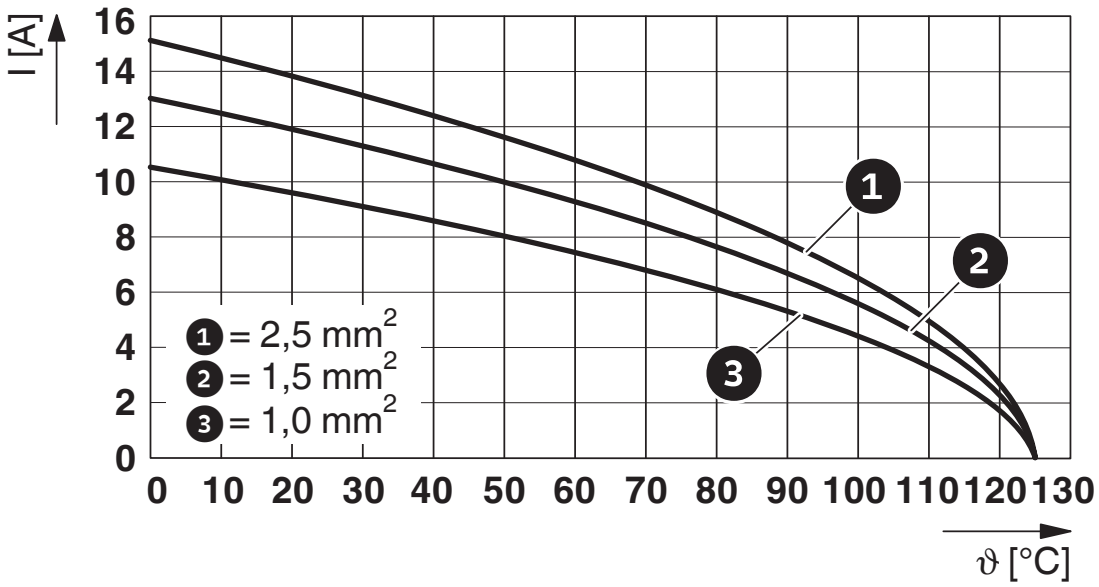
Drawings

Schematic diagram



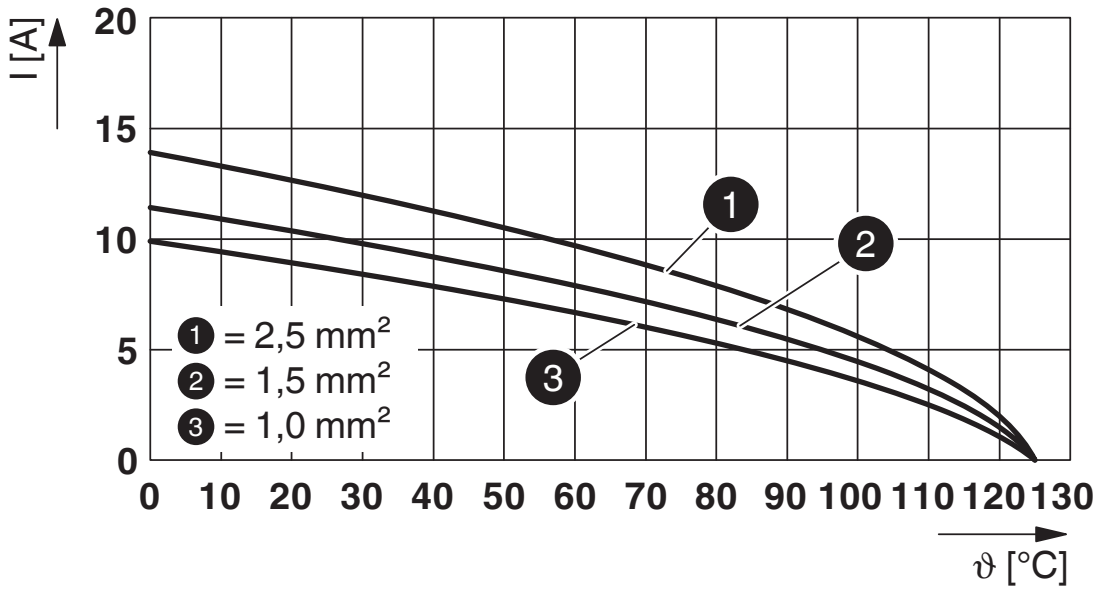
Connector pin assignment, connection side

Diagram



Derating diagram turned contacts

Diagram



Derating diagram rolled contacts

Classifications

ECLASS

ECLASS-13.0	27440205

ETIM

ETIM 9.0	EC000438

UNSPSC

UNSPSC 21.0	39121500

Environmental product compliance

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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