

HC-TSC-M-06-PT-F - Contact insert module



1079590
<https://www.phoenixcontact.com/us/products/1079590>

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Contact insert module, number of positions: 6, Socket, Push-in connection, 100 V, 20 A, 1.5 mm² ... 4 mm², with short-circuit function

Product description

Contact insert with short-circuit function. If the connector is pulled out, all contacts are short circuited.

Commercial data

Item number	1079590
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626800370
Weight per piece (including packing)	44.7 g
Weight per piece (excluding packing)	40 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	Please observe the circuit diagram
General	Use at least 1.5 mm ² cables with a maximum conductor loop of 2 m. No open conductor loops permitted!
General	only use flexible conductors with ferrules

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	Modular contact insert
Series	HC-M-TSC
Number of positions	6
Connection profile	6
Number of module slots	2
Contact material type	rolled

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

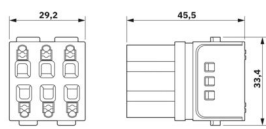
Connection technology

Connection technology	Push-in connection
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Conductor connection

Conductor cross section	1.5 mm ² ... 4 mm ²
Connection cross section AWG	21 ... 12
Stripping length of the individual wire	8 mm

Dimensions

Dimensional drawing	
Width	33.8 mm
Height	45.8 mm
Length	29.2 mm

Mechanical characteristics

Contact diameter	4 mm
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Electrical properties

Rated voltage (III/3)	100 V (when plugged in)
	100 V (Unplugged and during plugging)
Rated surge voltage	1.5 kV
Rated current	20 A (When plugged in)
	20 A (Unplugged and during plugging)

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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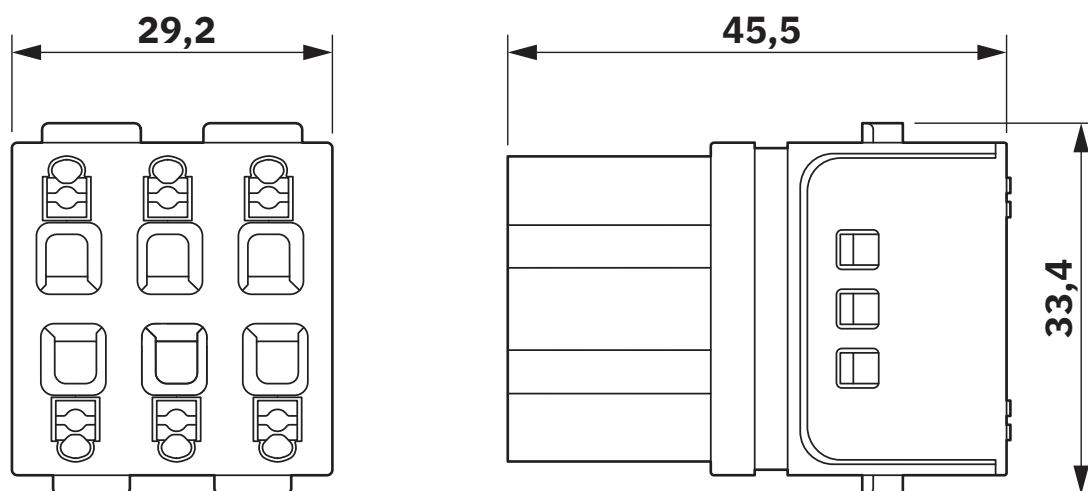
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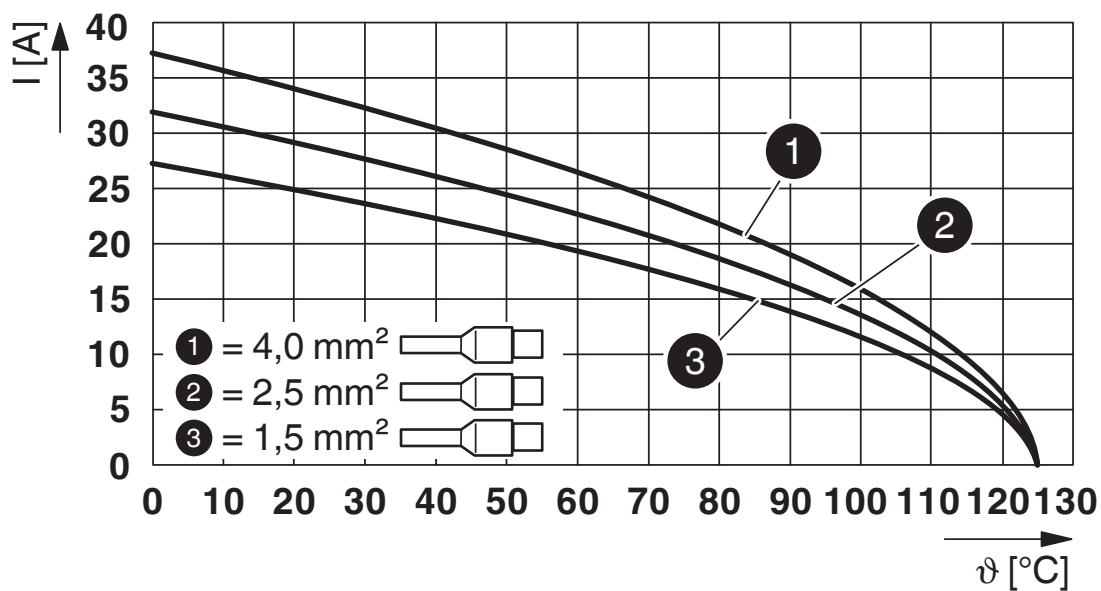
Drawings

Dimensional drawing



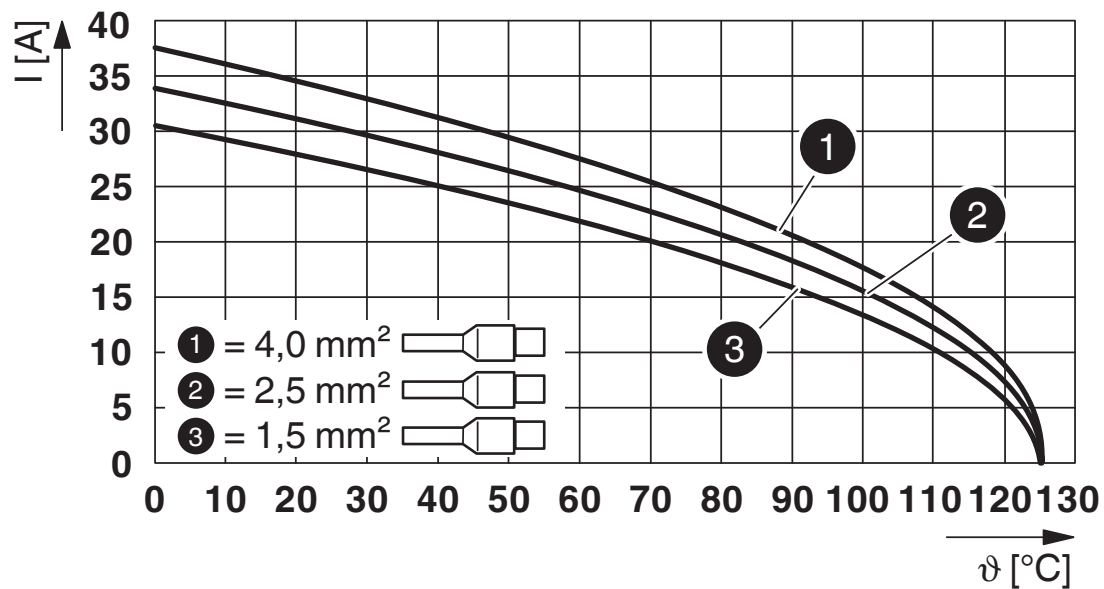
Female insert

Diagram



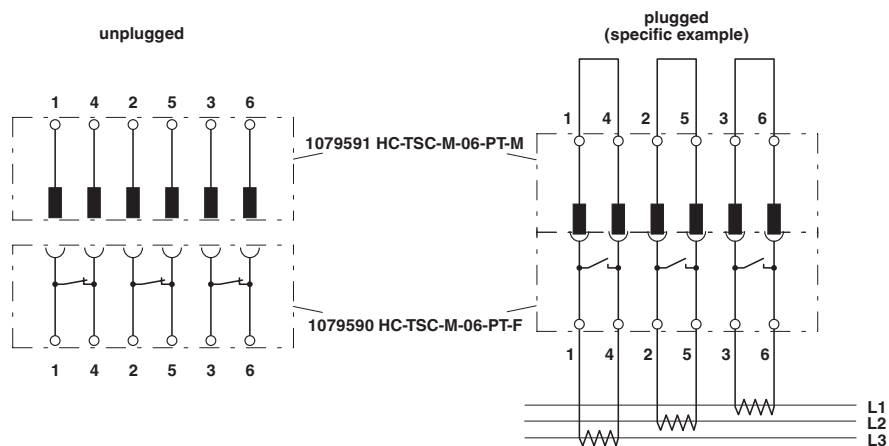
Derating diagram (mated)

Diagram



Derating diagram (unmated)

Circuit diagram



Circuit diagram

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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
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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