

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



1079590

<https://www.phoenixcontact.com/in/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
Product key	AF7ACE
GTIN	4055626800370
Weight per piece (including packing)	44.7 g
Weight per piece (excluding packing)	40 g
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

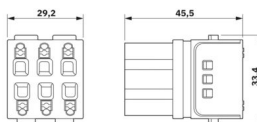
Connection technology

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

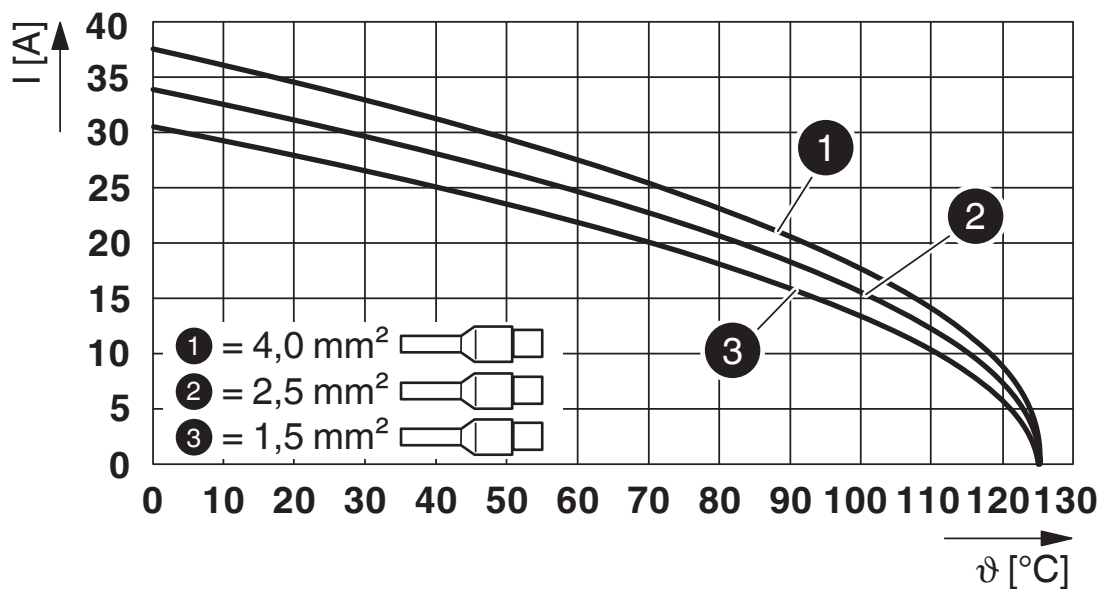
Environmental and real-life conditions

Ambient conditions

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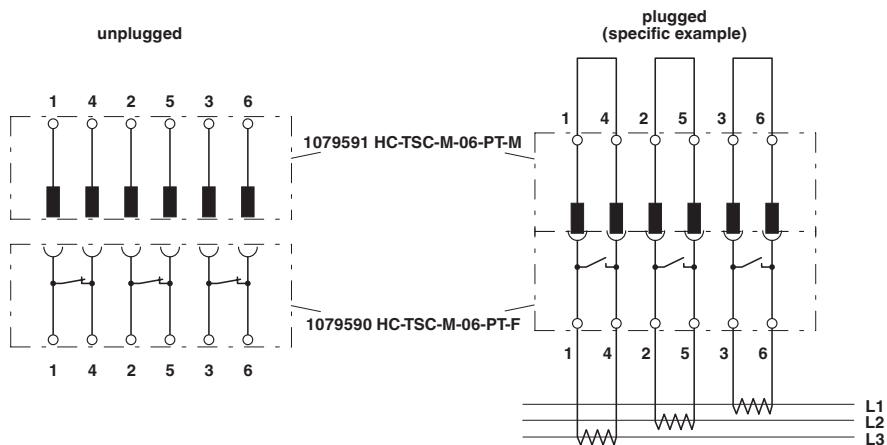
Drawings

Diagram



Derating diagram (unmated)

Circuit diagram



Circuit diagram

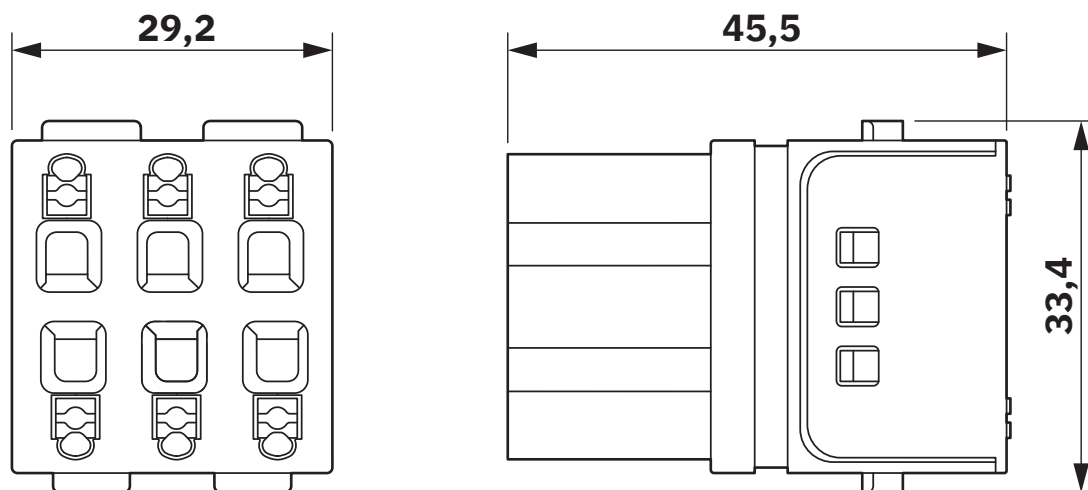
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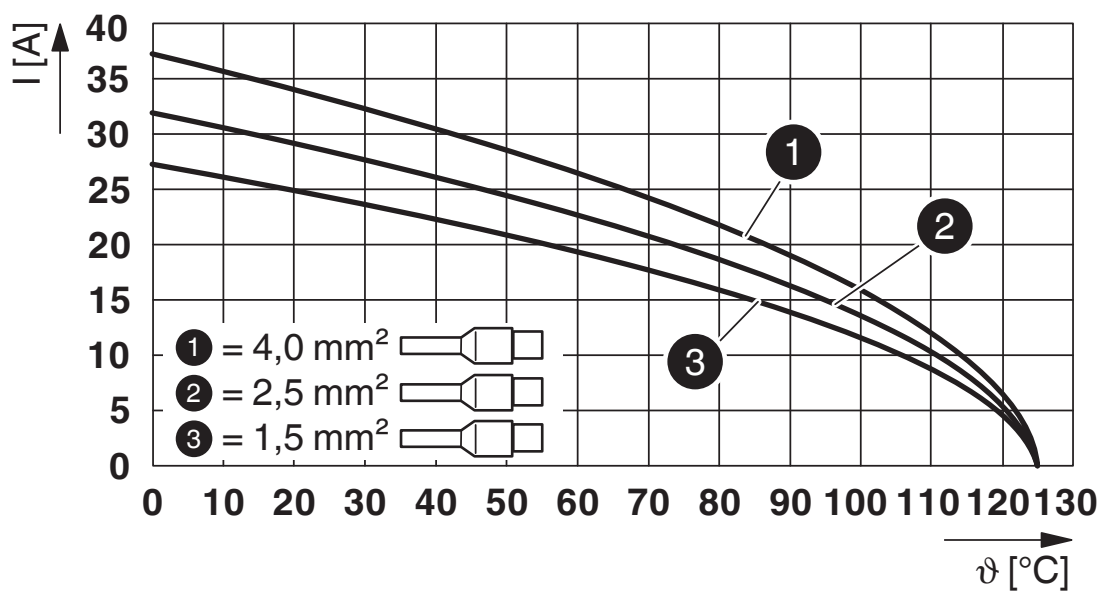


Dimensional drawing



Female insert

Diagram



Derating diagram (mated)

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 9.0	EC000438
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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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Accessories

HC-CBU-MOD - Coding element

1636130

<https://www.phoenixcontact.com/in/products/1636130>



Coding socket for coding up to 16 connectors, for HC Modular

HC-CST-MOD - Coding element

1636127

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Coding peg for coding up to 16 connectors, for HC Modular

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HC-M-B06-MFH-B - Module carrier frame

1182085

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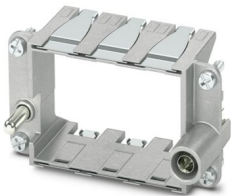


Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

HC-M-B10-MFH-B - Module carrier frame

1182088

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Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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HC-M-B16-MFH-B - Module carrier frame

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Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame



HC-M-B24-MFH-B - Module carrier frame

1182094

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Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame



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HC-M-B06-MFH-H - Module carrier frame

1182087

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Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

HC-M-B10-MFH-H - Module carrier frame

1182089

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Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

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HC-M-B16-MFH-H - Module carrier frame

1182093

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Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame



HC-M-B24-MFH-H - Module carrier frame

1182095

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Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame



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

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

CF CRIMPHANDY 0,5 - Crimping tool, electric

1212463

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Mobile automatic stripping and crimping device, service tool, replacement part (waste guide plate), cutting tool (CUTFOX 12), on-tape ferrules

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CF CRIMPHANDY 0,75 - Crimping tool, electric

1212464

<https://www.phoenixcontact.com/in/products/1212464>



Mobile automatic stripping and crimping device, service tool, replacement part (waste guide plate), cutting tool (CUTFOX 12), on-tape ferrules

CF CRIMPHANDY 1,0 - Crimping tool, electric

1212465

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Mobile automatic stripping and crimping device, service tool, replacement part (waste guide plate), cutting tool (CUTFOX 12), on-tape ferrules

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CF CRIMPHANDY 1,5 - Crimping tool, electric

1212466

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Mobile automatic stripping and crimping device, service tool, replacement part (waste guide plate), cutting tool (CUTFOX 12), on-tape ferrules

CRIMPFOX 6 - Crimping pliers

1212034

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Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

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CRIMPFOX CENTRUS 10S - Crimping pliers

1213154

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Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 10 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

CRIMPFOX CENTRUS 6S - Crimping pliers

1213144

<https://www.phoenixcontact.com/in/products/1213144>



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

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