

HC-A16-I-PT-M-32 - Contact insert



1585391

<https://www.phoenixcontact.com/no/products/1585391>

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Contact insert, number of positions: 16+PE, size: D25, Pin, Push-in connection, 250 V, 16 A, 0.14 mm² ... 2.5 mm²

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	1585391
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF7ABB
Catalog page	Page 521 (C-2-2019)
GTIN	4046356285124
Weight per piece (including packing)	54.8 g
Weight per piece (excluding packing)	54.5 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.
General	for HC-D25 / HC-D 50 housing

Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
	for plastic coding profiles: 4 pcs.

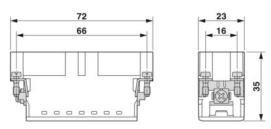
Product properties

Type	D25
	D50
Product type	Contact insert with a fixed no. of positions
Number of positions	16
Connection profile	16+PE
Contact numbering	17 - 32
Contact material type	rolled
Series	HC-A
Screwdriver blade	0.5 x 3.5 mm

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	23 mm
Height	31.5 mm
Length	72 mm
Drill hole distance, horizontal	66 mm
Drill hole distance, vertical	16 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	Push-in connection
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Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Tightening torque	0.7 Nm ... 1 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	8 mm

Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
	4 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
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

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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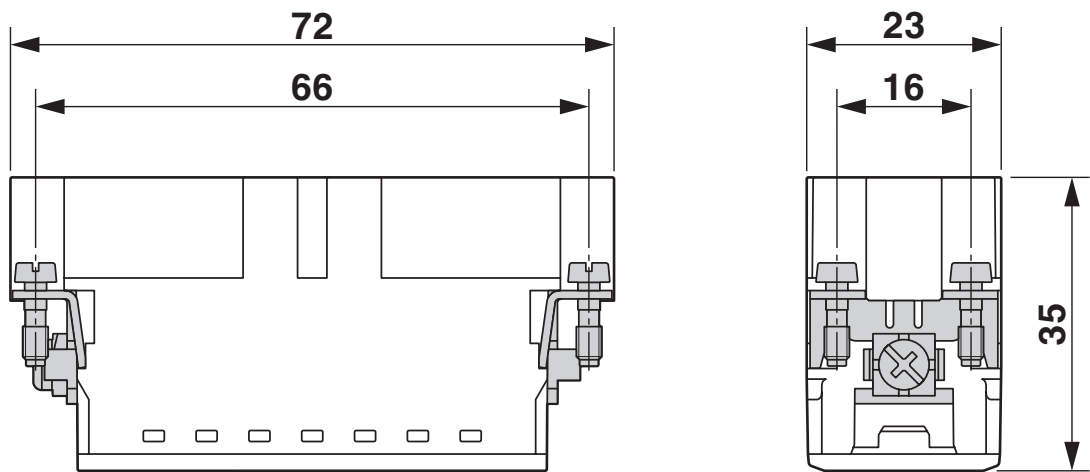


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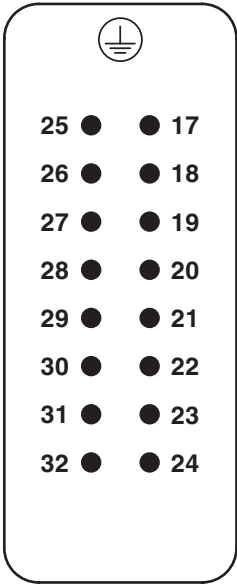
Drawings

Dimensional drawing



Male insert

Schematic diagram



Connector pin assignment, connection side

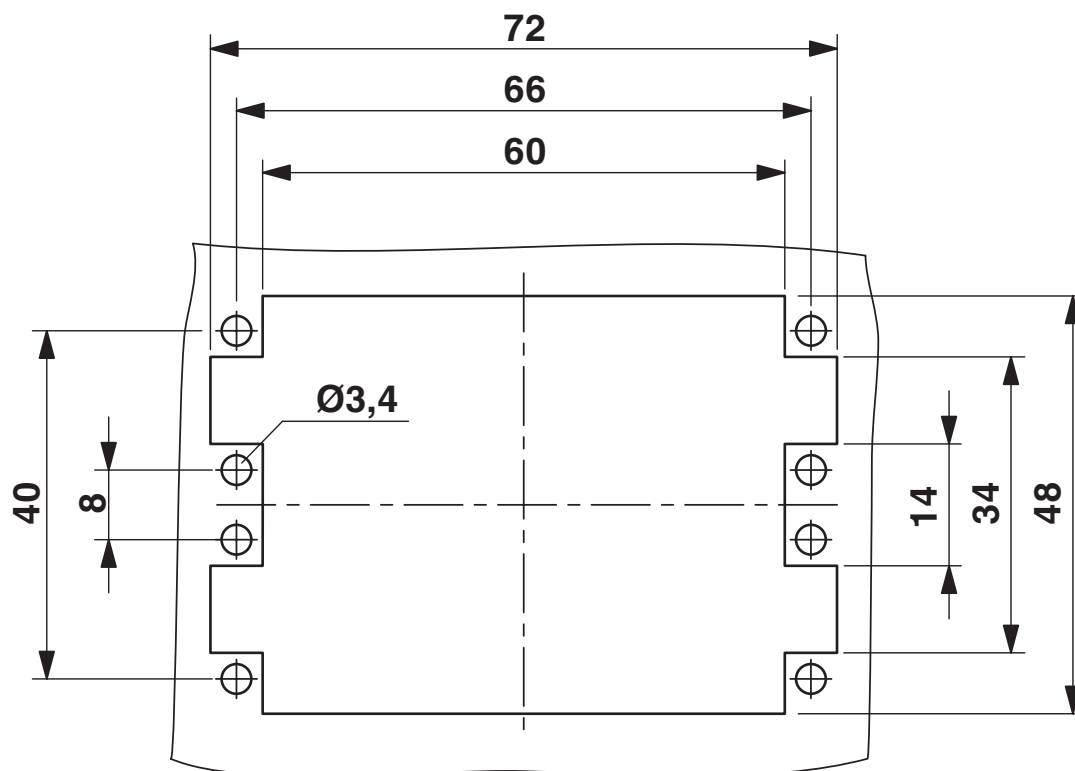
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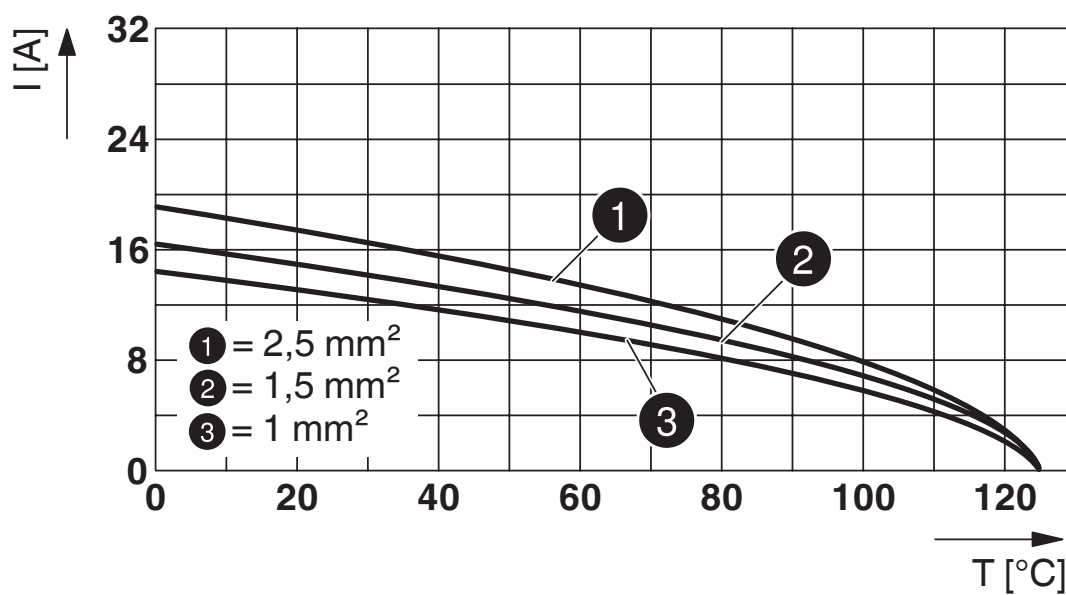


Dimensional drawing



Mounting cutout when used without housing

Diagram



Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1585391>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	13 A	- 14	-



UL Recognized

Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	16 A	- 14	-



EAC

Approval ID: EAC-Zulassung



EAC

Approval ID: RU C-DE.BL08.B.00511



UL Recognized

Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	16 A	-	-

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 9.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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