INDUSTRIAL COMPONENT DATA

HC-B24-I-PT-F 1407735 PHOENIX CONTACT HEAVYCON socket insert, B24 series, 24 + PE-pos., push-in connection

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B24-I-PT-F



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-B24-I-PT-F
Catalog number	1407735
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-4839C9F603
Generated	2026-11-18

Product Overview

HEAVYCON socket insert, B24 series, 24 + PE-pos., push-in connection
Contact insert, number of poles: 24+PE, size: B24, number of connections per pole: 1, Female, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², Application: Power

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Industrial plug-in connectors/interfaces

Additional Product Information

General
Connection method Push-in connection
Pollution degree 3
Overvoltage category III
Number of positions 24+PE
Insertion/withdrawal cycles >= 500
Type B24
Conductor cross section 0.14 mm² ... 2.5 mm²
Connection cross section AWG 26 ... 14
Stripping length 8 mm ... 10 mm
Assembly instructions Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles.
Connection Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires

and stranded wires with ferrule.
Ambient conditions
Ambient temperature (operation) -40 °C ... 125 °C (including heating up of contacts)
Material data
Flammability rating according to UL 94 V0
Contact material Copper alloy
Contact surface material Ag/Sn (tarnish protection)
Contact carrier material PA
Standards/regulations PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
PA: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
Electrical characteristics
Rated voltage (III/3) 500 V
Rated surge voltage 6 kV
Rated current 16 A

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B24-I-PT-F with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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