



THE DATASHEET OF
1421783



CUC-PPC-C2ZNI-SX/24FKP5 - Power connector



1421783

<https://www.phoenixcontact.com/us/products/1421783>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Power connector, design: Version 14, degree of protection: IP65/IP67, number of positions: 5, material: Metal, connection method: Spring-cage connection, connection cross section: AWG 18-13, cable outlet: straight, Universal

Your advantages

- Fixed coding
- Increased temperature range
- Lockable
- One-part housing

Commercial data

Item number	1421783
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOHA
Catalog page	Page 364 (C-2-2019)
GTIN	4055626280349
Weight per piece (including packing)	110.3 g
Weight per piece (excluding packing)	108.5 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 11 Connectors for 24 Volt Power Supply Cabling and Chapter 13 Application specific Cabling and Interconnection Technology (AIDA)
---------	---

Product properties

Product type	Data connector (cable side)
Type	Version 14
Sensor type	Universal
Number of positions	5
Connection profile	MSTB
Type	fixed coding
Shielded	no
Cable outlet	straight

Data management status

Article revision	05
------------------	----

Insulation characteristics

Overvoltage category	I
Degree of pollution	3

Electrical properties

Rated voltage (II/2)	630 V
Rated voltage (III/2)	400 V
Rated voltage (III/3)	24 V 250 V
Rated surge voltage (II/2)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (III/3)	4 kV
Rated current	16 A (at 20 °C) 16 A
Nominal voltage U_N	24 V
Nominal current I_N	16 A
Transmission medium	Copper
Power transmission	PoE

Connection data

Connection technology

Connection method	Spring-cage connection
-------------------	------------------------

CUC-PPC-C2ZNI-SX/24FKP5 - Power connector



1421783

<https://www.phoenixcontact.com/us/products/1421783>

Connection cross section AWG	18 ... 13
Conductor cross section	0.75 mm ² ... 2.5 mm ²

Dimensions

Width	31 mm
Height	36 mm
Length	67 mm

Material specifications

Material	Metal
Flammability rating according to UL 94	V0
Seal material	NBR
Housing material	Metal
Housing surface material	nickel-plated
Cable seal material	TPE
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	PA

Cable/line

External cable diameter	9 mm ... 13 mm
External cable diameter	9 mm ... 13 mm
Stripping length of the individual wire	10 mm
Cable cross section	0.75 mm ²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

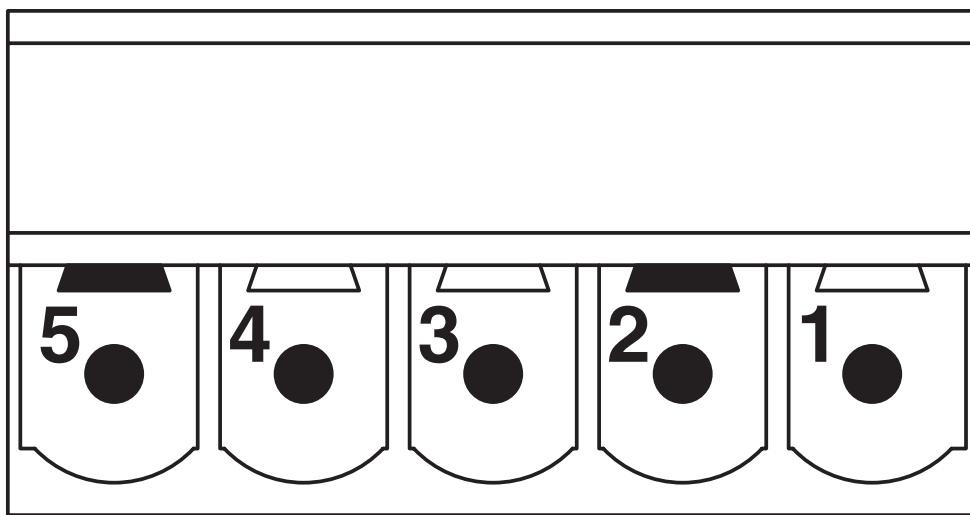
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67
	IP65/IP67
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-10 °C ... 40 °C

Drawings

Schematic diagram



Pin assignment PROFINET push-pull, power connector, 24 V, fixed coding

CUC-PPC-C2ZNI-SX/24FKP5 - Power connector




1421783

<https://www.phoenixcontact.com/us/products/1421783>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1421783>

 cULus Recognized Approval ID: E118976-20080903	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	24 V	16 A	- 14	-

CUC-PPC-C2ZNI-SX/24FKP5 - Power connector



1421783

<https://www.phoenixcontact.com/us/products/1421783>

Classifications

ECLASS

ECLASS-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440113

ETIM

ETIM 9.0	EC002636
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

CUC-PPC-C2ZNI-SX/24FKP5 - Power connector



1421783

<https://www.phoenixcontact.com/us/products/1421783>

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%
-------------------------------------	----------------------------


Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View 1421783 on WIN SOURCE](#)
-  [Phoenix Contact Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management