

# CUC-PPC-C2ZNI-SX/24FKP5:FC - Power connector



1425514

<https://www.phoenixcontact.com/us/products/1425514>

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Power connector, 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

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

## Commercial data

Item number	1425514
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOHA
GTIN	4055626407234
Weight per piece (including packing)	110 g
Weight per piece (excluding packing)	110 g
Customs tariff number	85366990
Country of origin	PL

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## 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)
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### Product properties

Product type	Data connector (cable side)
Type	MSTB
Sensor type	Universal
Number of positions	5
Connection profile	MSTB
Cable outlet	straight

### 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
Connection cross section AWG	18 ... 13
Conductor cross-section	0.75 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Dimensions

Width	31 mm
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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
Stripping length of the individual wire	10 mm
Cable cross section	0.75 mm <sup>2</sup>

## Drawings

### Schematic diagram



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

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## Approvals

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 <b>cULus Recognized</b> Approval ID: E118976-20080903				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	24 V	16 A	- 14	-

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## Classifications

### ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440114

### ETIM

ETIM 10.0	EC003083
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### UNSPSC

UNSPSC 21.0	39121400
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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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