

# CUC-PPC-C2ZNI-SS/24FKP5 - Power connector



1421785

<https://www.phoenixcontact.com/us/products/1421785>

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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

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

## Commercial data

Item number	1421785
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOHA
GTIN	4055626299792
Weight per piece (including packing)	117.533 g
Weight per piece (excluding packing)	117.533 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Data connector (cable side)
Application	Power
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>

### Interfaces

Signal type/category	Universal
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### Dimensions

Width	31 mm
Height	36 mm
Length	67 mm

### Material specifications

Material	Metal
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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

Signal type/category	Universal
External cable diameter	6.5 mm ... 9 mm
Stripping length of the individual wire	10 mm
Cable cross section	0.75 mm <sup>2</sup>

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
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## 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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1421785>

 <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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