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

1421783

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Power connector, Version 14, Universal, 5-position, connection method: Spring connection, material: Metal, connection cross section: AWG 18- 13, degree of protection: IP65/IP67

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
GTIN	4055626280349
Weight per piece (including packing)	111 g
Weight per piece (excluding packing)	116.386 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
Number of positions	5
Connection profile	MSTB
Shielded	no
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 connection
Connection cross section AWG	18 ... 13
Conductor cross-section	0.75 mm² ... 2.5 mm²

Interfaces

Signal type/category	Universal

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
Cable cross section	0.75 mm²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

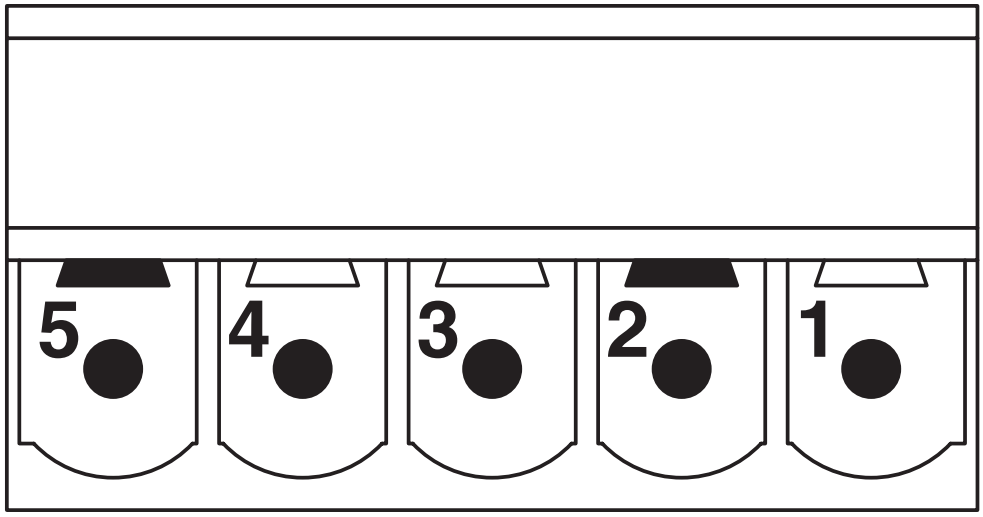
Environmental and real-life conditions

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

Approvals

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

cULus Recognized
Approval ID: E118976

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

Classifications

ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440114

ETIM

ETIM 10.0	EC001121

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	2.433 kg CO2e

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