

## Power connectors - CUC-PPC-C2ZNI-SS/24FKP5 - 1421785

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Power connectors, degree of protection: IP65/67, number of positions: 5, material: Zinc die-cast, connection cross section: AWG 18- 13, cable outlet: straight

### Your advantages

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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 299792
GTIN	4055626299792

### Technical data

#### Dimensions

External cable diameter	6.5 mm ... 9 mm
Type	fixed coding

#### Ambient conditions

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

#### General data

Note	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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## Technical data

### General data

Rated current at 40°C	16 A
Rated voltage	24 V
Number of positions	5
Degree of pollution	3
Alternative short product description	MSTB connector
Locking type	Push Pull
Rated voltage (II/2)	630 V
Rated voltage (III/2)	400 V
Rated voltage	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
Rated voltage (III/3)	24 V
Conductor cross section	0.75 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	18 ... 13
COMBICON connection data	0.75 mm <sup>2</sup> 2.5 mm <sup>2</sup> 0.75 mm <sup>2</sup> 2.5 mm <sup>2</sup> 18 13 2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Contact material	Copper alloy
Contact carrier material	PA
Contact surface material	Gold over nickel
Housing material	Zinc die-cast

### Characteristics head 1

Stripping length of the individual wire	10 mm
Stripping length of the sheath	40 mm

### Standards and Regulations

Flammability rating according to UL 94	V0
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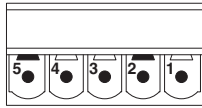
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

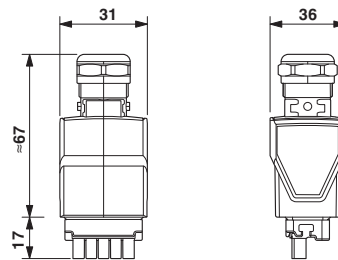
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Schematic diagram



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

Dimensional drawing



Push/pull connector

## Approvals

### Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

### Approval details

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E118976-20080903
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Nominal voltage UN	24 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	14

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