

# Power connectors - VS-PPC-C2-MSTB-POBK-P13-A5-SP - 1657892

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Power connectors, degree of protection: IP65, number of positions: 5, material: PA-GF, connection method: Spring-cage connection, connection cross section: AWG 18- 13, cable outlet: straight, color: black



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356131964

## Technical data

### Dimensions

External cable diameter	9 mm ... 13 mm
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### Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 70 °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)
Rated current at 40°C	16 A
Rated voltage	24 V
Number of positions	5
Degree of pollution	2
Alternative short product description	MSTB connector
Locking type	Push Pull
Rated voltage (III/3)	24 V
Conductor cross section	0.75 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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## Technical data

### General data

Connection cross section AWG	18 ... 13
Connection method	Spring-cage connection
Contact material	Copper alloy
Contact carrier material	PA
Contact surface material	Gold over nickel
Housing material	PA-GF
Degree of protection	IP65
Rated current	16 A

### Characteristics head 1

Shielded	no
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### Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

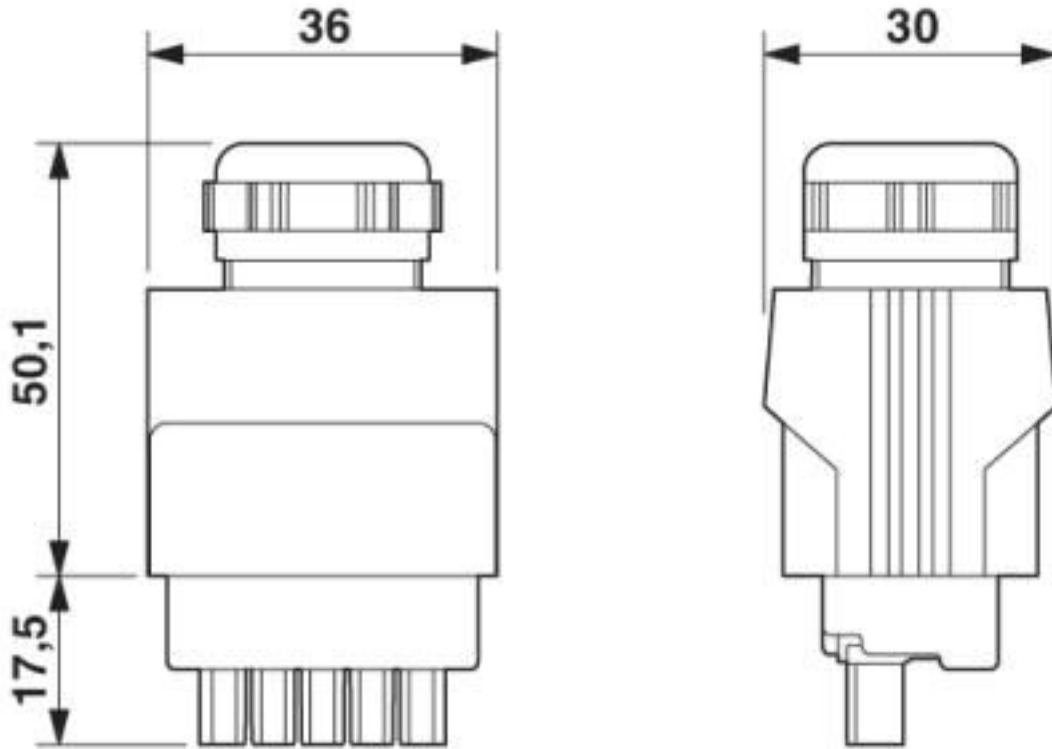
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

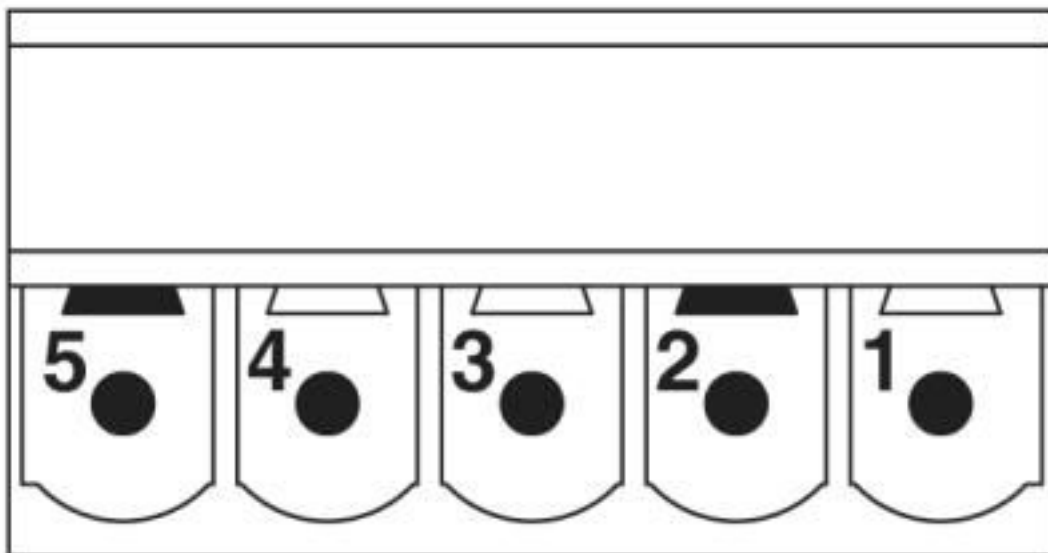
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Dimensional drawing



Push/pull connector

Schematic diagram



Connector pin assignment for PROFINET Push-Pull, power connector, 24 V

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## Classifications

### eCl@ss

eCl@ss 10.0.1	27440312
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440312
eCl@ss 8.0	27440312
eCl@ss 9.0	27440312

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002636
ETIM 5.0	EC001121
ETIM 6.0	EC002641
ETIM 7.0	EC002641

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121419
UNSPSC 18.0	39121419
UNSPSC 19.0	39121419
UNSPSC 20.0	39121419
UNSPSC 21.0	39121419

## Approvals

### Approvals

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#### Approvals

EAC / cULus Recognized

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#### Ex Approvals

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### Approval details

# Power connectors - VS-PPC-C2-MSTB-POBK-P13-A5-SP - 1657892

## Approvals

EAC		B.01687
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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
Nominal voltage UN	24 V	
Nominal current IN	16 A	
mm <sup>2</sup> /AWG/kcmil	14	

## Accessories

### Accessories

#### Cable end sleeve

Ferrule - AI 1,5 -10 BK - 3200195



Ferrule, sleeve length: 10 mm, length: 16 mm, color: black

Ferrule - AI 2,5 -10 BU - 3202533



Ferrule, sleeve length: 10 mm, length: 17 mm, color: blue

Tool - CRIMPFOX ZA 3 - 1201882



Crimping pliers, for ferrules in accordance with DIN 46228-1: 1992-08 and DIN 46228-4: 1990-09

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