PHŒNIX CONTACT

Power connectors - CUC-PPC-C2ZNI-SX/24FKP5:FC - 1425514

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Power connectors, degree of protection: IP65/IP67, number of positions: 5, material: Zinc die-cast, connection cross section: AWG 18- 13, cable outlet: straight

Your advantages

☑ Flexible coding

☑ Increased temperature range

☑ Lockable

☑ One-part housing

RoHS | 16 A IEC | PROFINET®

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 407234
GTIN	4055626407234

Technical data

Dimensions

External cable diameter	9 mm ... 13 mm
Type	flexible coding
Width	31 mm
Height	36 mm
Length	67 mm

Ambient conditions

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

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Technical data

General data

	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	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 mm² ... 2.5 mm²
Connection cross section AWG	18 ... 13
Contact material	Copper alloy
Contact carrier material	PA
Contact surface material	Gold over nickel
Housing material	Zinc die-cast
Degree of protection	IP65/IP67
Rated current	16 A

Characteristics head 1

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

Standards and Regulations
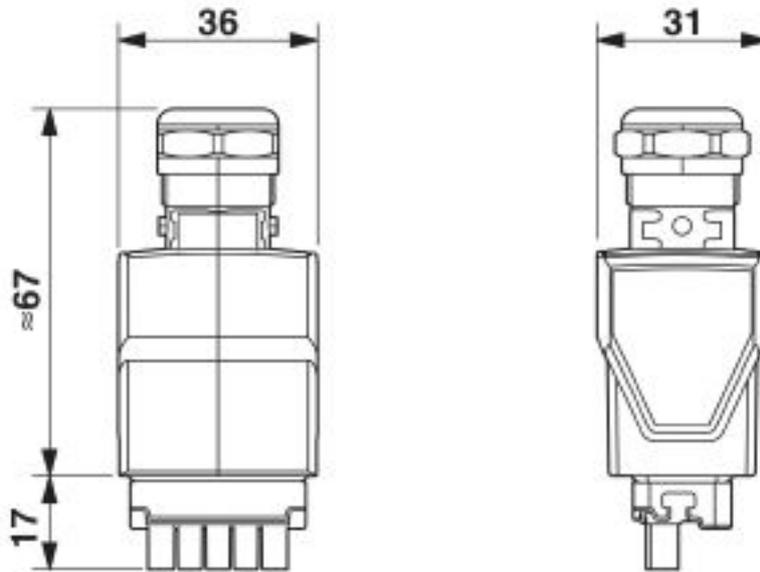
Flammability rating according to UL 94	V0

Environmental Product Compliance

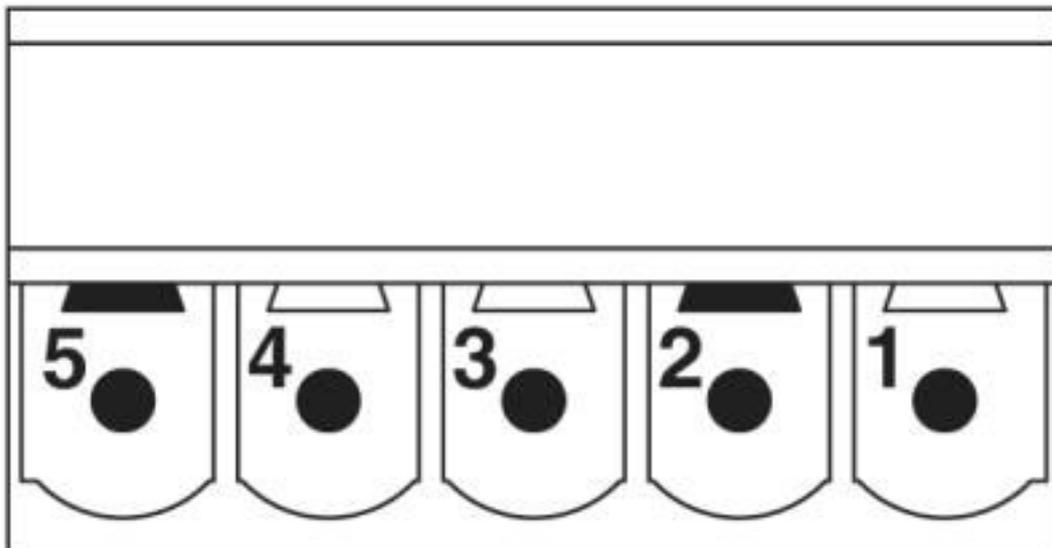| REACh SVHC	Lead 7439-92-1

Drawings

Power connectors - CUC-PPC-C2ZNI-SX/24FKP5:FC - 1425514

Dimensional drawing

Push/pull connector

Schematic diagram

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

Classifications

eCl@ss

eCl@ss 10.0.1	27440101
eCl@ss 11.0	27440101

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Classifications

eCl@ss

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	27440101
eCl@ss 8.0	27440101
eCl@ss 9.0	27440101

ETIM

ETIM 6.0	EC002636
ETIM 7.0	EC002636

Approvals

Approvals

Approvals

cULus Recognized / EAC

Ex Approvals

Approval details

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E118976-20080903
Nominal voltage UN	24 V	
Nominal current IN	16 A	
mm²/AWG/kcmil	14	

EAC	EAC	B.01687

Accessories

Accessories
Cable end sleeve

Power connectors - CUC-PPC-C2ZNI-SX/24FKP5:FC - 1425514

Accessories

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

Data cable by the meter

Power cable - VS-PN-CABLE-1020/PVC-5X2,5/... - 1609510

PROFINET power cable, 5x 2.5 mm², stranded (7-wire), outer sheath: PVC, outside diameter 11.8 mm, RAL 7001 (silver gray), oil-resistant, by the meter

Power cable - VS-PN-CABLE-1020/PVC-5X2,5/100 - 1609523

PROFINET power cable, 5x 2.5 mm², stranded (7-wire), outer sheath: PVC, outside diameter 11.8 mm, RAL 7001 (silver gray), oil-resistant, cable ring: 100 m

Additional products

Panel mounting frames - VS-PPC-F2-MSTB-MNNA-1R-P - 1608087

MSTB panel mounting frame, IP67, for push-pull interlocking, metal, for PCB connection, for square panel cutout, with grommet, without mounting screws

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Accessories

Panel feed-through - CUC-V14-F2ZNI-EM/24FN5:FC - 1408235

Push/pull panel mounting frame, metal, version 14, including contact insert with spring-cage connection, flexible coding, for rectangular mounting cutout, with seal, without fixing screws

Panel mounting frames - CUC-V14-F2ZNI-SC/24FN5:FC - 1409036

MSTB panel mounting frame, IP67, for push-pull interlocking, metal, with integrated contact insert for conductor connection, spring-cage connection, 24 V, for round mounting cutout, with seal, without mounting screws

Female insert - VS-MSTBAH 2,5/ 5-GB-5,08-BK-A - 1657915

MSTB contact insert, for PCB assembly, 24 V, 5-pos., with angled solder pins, RAL 9005 (black), for panel mounting frame VS-PPC-F2-MSTB-...-1R-P

Female insert - VS-MSTBVA 2,5/ 5-GB-5,08-BK-A - 1609565

MSTB contact insert, for PCB assembly, 24 V, 5-pos., with straight solder pins, RAL 9005 (black), for panel mounting frame VS-PPC-F2-MSTB-...-1R-P

Protective cap - VS-PPC-F2-PC-POBK - 1405329

Protective cap, IP65, with push-pull locking for covering the contact insert in the push-pull connector for Power, plastic

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Power connectors - CUC-PPC-C2ZNI-SX/24FKP5:FC - 1425514

Accessories

Power distributor - VS-PPC-J-4X-1227 - 1405387

Power H distributor, 4 x MSTB contact inserts, metal housing, without mounting screws

Y distributor - VS-PPC-J-1220-1227-1020-... - 1405484

PROFINET Y distributor with assembled power line, 5-pos., IP65/IP67, MSTB plug with metal housing on 2x socket in metal housing, variable cable length

Power cable - VS-PN-CABLE-1020/PVC-5X2,5/100 - 1609523

PROFINET power cable, 5x 2.5 mm², stranded (7-wire), outer sheath: PVC, outside diameter 11.8 mm, RAL 7001 (silver gray), oil-resistant, cable ring: 100 m

Power cable - VS-PN-CABLE-1020/PVC-5X2,5/... - 1609510

PROFINET power cable, 5x 2.5 mm², stranded (7-wire), outer sheath: PVC, outside diameter 11.8 mm, RAL 7001 (silver gray), oil-resistant, by the meter