

## Cable - VS-P1220-P1220-C1020/ 2,0 - 1609183


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Assembled PROFINET power cable, 24 V, 5 x 2.5 mm<sup>2</sup>, stranded (50-wire), color RAL 7001 (silver gray), PPC-MSTB metal on PPC-MSTB metal, length: 2 m



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 160100
GTIN	4046356160100
Weight per Piece (excluding packing)	690.000 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-5 °C ... 70 °C (cable, flexible installation)
	Plug / socket

#### 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 voltage	24 V

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### Technical data

#### General data

Number of positions	5
Alternative short product description	PROFINET power cable
Locking type	Push Pull
Rated voltage (III/3)	24 V
Insertion/withdrawal cycles	≥ 100
Contact material	Copper alloy
Contact carrier material	PA
Contact surface material	Gold over nickel
Housing material	Zinc die-cast
Rated current	16 A

#### Cable

Cable type	PVC gray
Cable type (abbreviation)	PVC
Conductor cross section	5x 2.5 mm <sup>2</sup>
AWG power supply	14
Conductor structure, voltage supply	50x 0.25 mm
Wire colors	blue, brown, black, gray, green/yellow
Overall twist	5 cores, twisted
External sheath, color	gray RAL 7001
External cable diameter D	11.8 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	15 x D
Cable weight	242 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	> 0.2 MΩ*km
Nominal voltage, cable	750 V
	1000 V (Fixed, protected installation)
Test voltage, cable	4000 V
Flame resistance	according to IEC 60332-1-2
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 70 °C (cable, flexible installation)
Shielded	no

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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# Cable - VS-P1220-P1220-C1020/ 2,0 - 1609183

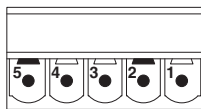
## Technical data

### Environmental Product Compliance

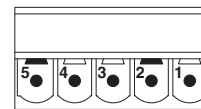
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Schematic diagram

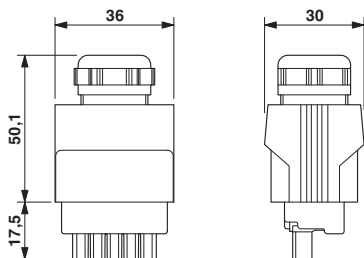


Schematic diagram

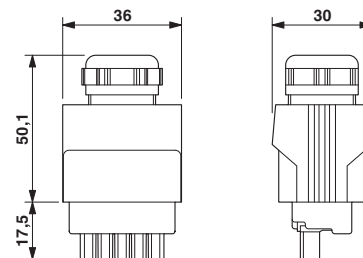


Connector pin assignment for PROFINET Push-Pull, power connector, 24 V Connector pin assignment for PROFINET Push-Pull, power connector, 24 V

Dimensional drawing



Dimensional drawing



Push-Pull MSTB connector IP65/67

Push-Pull MSTB connector IP65/67

## Classifications

### eCl@ss

eCl@ss 10.0.1	27060311
eCl@ss 11.0	27060311
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 9.0	27060311

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## Classifications

### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31251501
UNSPSC 19.0	31251501
UNSPSC 20.0	31251501
UNSPSC 21.0	31251501

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

EAC		19060508
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