

Conductor - VS-P1220-P1220-C1020/ 1,0 - 1609170

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Assembled PROFINET power cable, 24 V, 5 x 2.5 mm², stranded (50-wire), color RAL 7001 (silver gray), PPC-MSTB metal on PPC-MSTB metal, length: 1 m



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	449.0 GRM
Custom tariff number	85444290
Country of origin	Germany

Technical data

Mechanical characteristics

Number of positions	5
Locking type	Push Pull
Shielded	No
Insertion/withdrawal cycles	≥ 100
Cable diameter	11.80 mm
Length of cable	1 m
Color	silver

Ambient conditions

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

Material data

Housing material	Zinc die-cast
Contact carrier material	PA

Conductor - VS-P1220-P1220-C1020/ 1,0 - 1609170

Technical data

Material data

Contact material	Copper alloy
Contact surface material	Gold over nickel
Sealing material	NBR
Cable seal material	TPE
Outer sheath, material	PVC
External sheath, color	Silver-gray RAL 7001

Electrical characteristics

Rated voltage (III/3)	24 V
Rated current	16 A (at 20 °C)

Line characteristics

Cable type	PVC gray
Conductor cross section	5x 2.5 mm ²
AWG power supply	14
Conductor structure, voltage supply	50x 0.25 mm
External cable diameter	11.8 mm
Wire colors	blue, brown, black, gray, green/yellow
External sheath, color	Gray RAL 7001
Insulation resistance	> 0.2 MΩ*km
Nominal voltage, cable	750 V
	1000 V (Fixed, protected installation)
Test voltage, cable	4000 V
Overall twist	5 cores, twisted
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	242 kg/km
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	15 x D
cable layer type	Indoors
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)

Conductor - VS-P1220-P1220-C1020/ 1,0 - 1609170

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218

ETIM

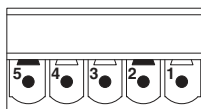
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

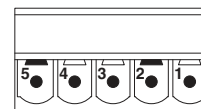
UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Drawings

Schematic diagram



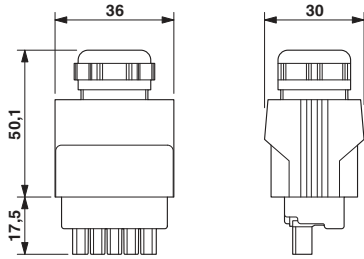
Schematic diagram



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

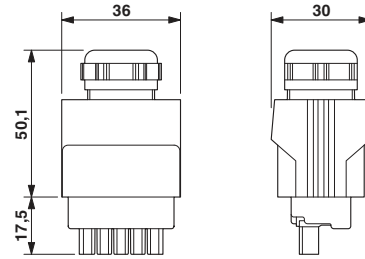
Conductor - VS-P1220-P1220-C1020/ 1,0 - 1609170

Dimensioned drawing



Push-Pull MSTB connector IP65/67

Dimensioned drawing



Push-Pull MSTB connector IP65/67