

# VS-PNRJ45-PNRJ45-93B-3,0 - Patch cable



1406401

<https://www.phoenixcontact.com/us/products/1406401>

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Patch cable, degree of protection: IP20, cable length: 3 m, number of positions: 4, 100 Mbps, PROFINET

## Commercial data

Item number	1406401
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABA
GTIN	4046356763431
Weight per piece (including packing)	222.5 g
Weight per piece (excluding packing)	194.986 g
Customs tariff number	85444210
Country of origin	PL

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## Technical data

### Product properties

Product type	Data cable preassembled
Application	Standard
Sensor type	PROFINET
Number of positions	4
Shielded	yes

### Data management status

Article revision	05
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### Insulation characteristics

Overvoltage category	I
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### Signaling

Status display	no
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### Electrical properties

Rated voltage (III/3)	72 V (DC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	100 Mbps

### Mechanical properties

#### Mechanical data

Insertion force per signal contact	50.00 N
Extraction force per signal contact	30 N

### Connector

#### Connection 1

Type	Plug straight RJ45
Shielded	yes
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PA (Contact carriers)
	PA (Housing)
Degree of protection	IP20

#### Connection 2

Type	Plug straight RJ45
Shielded	yes
Material	CuSn (Contact)
	Ni/Au (Contact surface)

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	PA (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

## Cable/line

Cable length	3.00 m
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### PROFINET PVC stranded CAT5 [93B]

Dimensional drawing		
Note	Minimum bending radius 4 x D	
Shielded	yes	
Cable type	PROFINET PVC stranded CAT5	
Cable type (abbreviation)	93B	
Signal type/category	PROFINET CAT5 (IEC 11801:2002), 100 Mbps	
Cable structure	1x4xAWG22/7, SF/TQ	
External cable diameter	6.50 mm	
Outer sheath, material	PVC	
External sheath, color	green RAL 6018	
Conductor material	Tin-plated Cu litz wires	
Conductor structure signal line	7x 0.25 mm	
AWG signal line	22	
Conductor cross section	4x 0.34 mm <sup>2</sup>	
Wire diameter incl. insulation	approx. 1.5 mm	
Single wire, color	white, yellow, blue, orange	
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)	
Smallest bending radius, fixed installation	30 mm	
Smallest bending radius, movable installation	60 mm	

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
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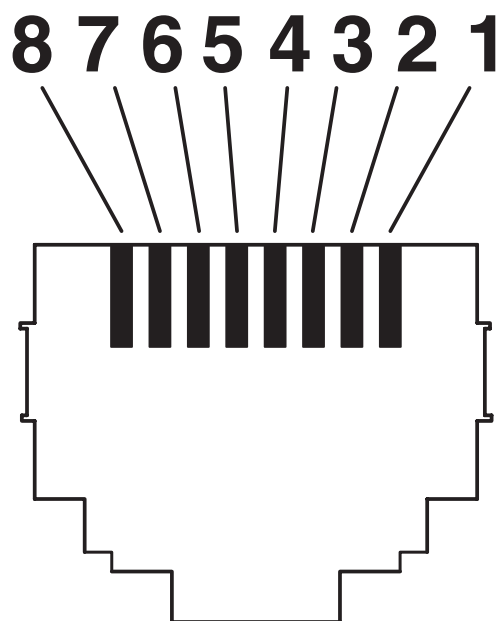
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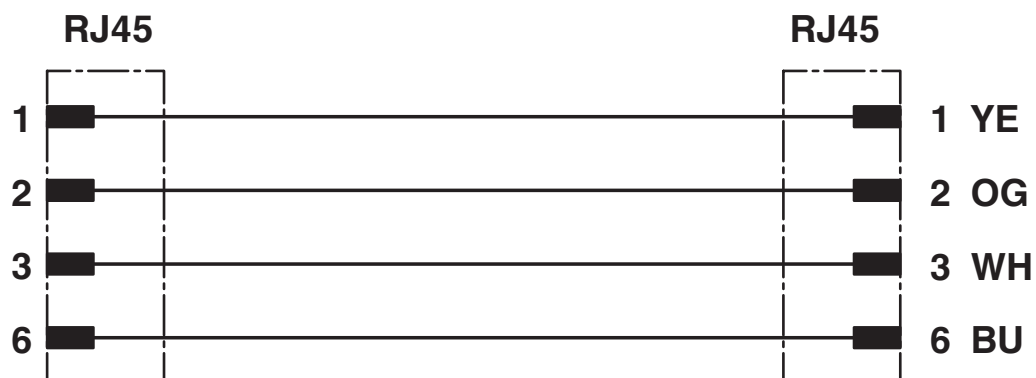


## Drawings

Schematic diagram



Circuit diagram



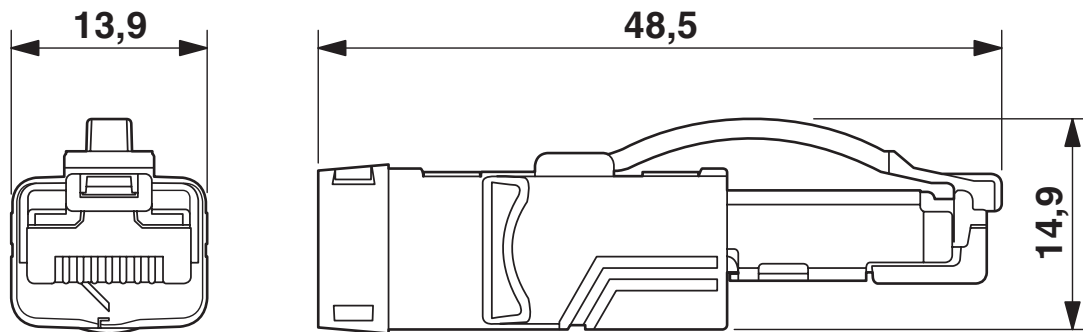
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Dimensional drawing



RJ45 connector, IP20

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## Approvals

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**EAC**

Approval ID: 19060508

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## Classifications

### ECLASS

ECLASS-11.0	27060308
ECLASS-12.0	27060308
ECLASS-13.0	27060307

### ETIM

ETIM 9.0	EC002599
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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