

VS-PNRJ45-PNRJ45-93B-15,0 - Patch cable



1406407

<https://www.phoenixcontact.com/us/products/1406407>

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Patch cable, degree of protection: IP20, cable length: 15 m, number of positions: 4, 100 Mbps, PROFINET

Commercial data

Item number	1406407
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABA
GTIN	4046356764094
Weight per piece (including packing)	988 g
Weight per piece (excluding packing)	947.386 g
Customs tariff number	85444210
Country of origin	PL

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Technical data

Product properties

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

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
Degree of protection	IP20
Number of positions	4

Connection 2

Type	Plug straight RJ45
Shielded	yes
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Cable/line

Cable length	15.00 m
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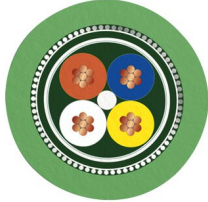
PROFINET PVC stranded CAT5 [93B]

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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	6.5 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 ²
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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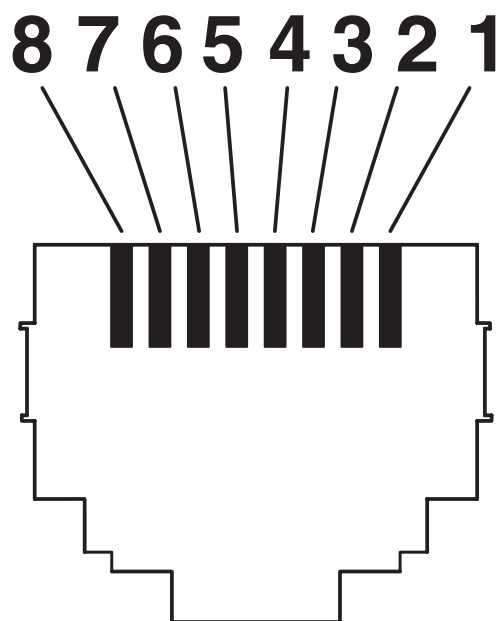
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Drawings

Schematic diagram



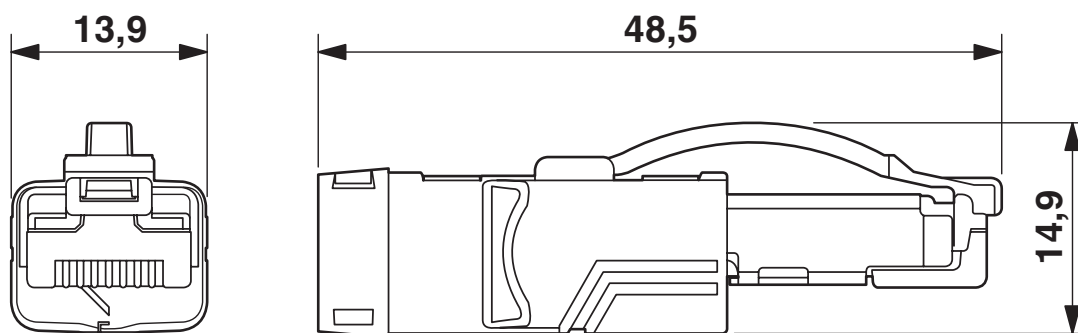
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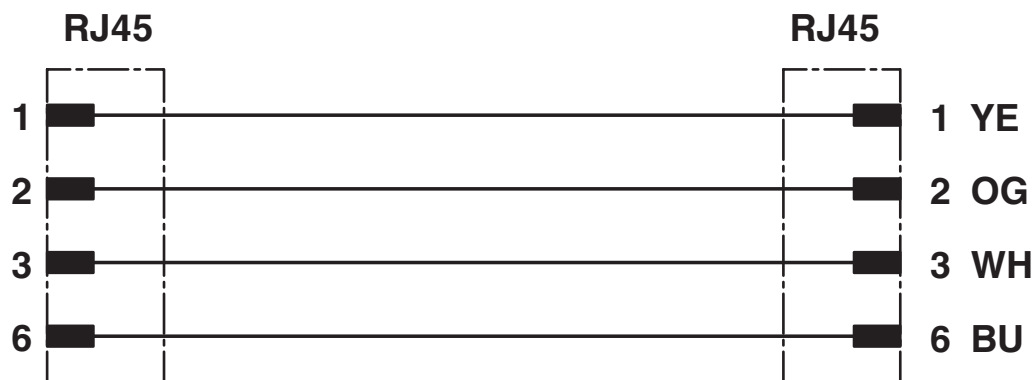
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Dimensional drawing



RJ45 connector, IP20

Circuit diagram



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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	27060308

ETIM

ETIM 8.0	EC002599
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

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

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