

VS-08-LI-C25-51-0,5-VW - Connector component

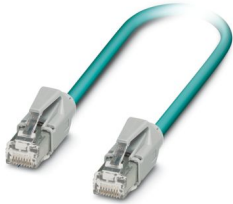


1405073

<https://www.phoenixcontact.com/us/products/1405073>

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Connector component, number of positions: 8



Commercial data

Item number	1405073
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	ABNABS
GTIN	4046356302890
Weight per piece (including packing)	41.8 g
Weight per piece (excluding packing)	41.8 g
Country of origin	DE

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Technical data

Product properties

Product type	Data cable preassembled
Number of positions	8
Shielded	yes

Electrical properties

Wave impedance	100 Ω
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Material specifications

Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

Cable/line

Ethernet [94B]

Shielded	yes
Cable type	Ethernet
Cable type (abbreviation)	94B
Signal type/category	Ethernet CAT5 (IEC 11801:2002)
Cable structure	4x2xAWG26/7; S-UTP
External cable diameter	6.1 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	0.14 mm ²
Wire diameter incl. insulation	1 mm
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	85 %
Nominal voltage, cable	125 V
Test voltage Core/Core	1000 V
Test voltage Core/Shield	500.00 V
Cable resistance	$\leq 284 \Omega/\text{km}$
Cable insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Wave impedance	100 $\Omega \pm 15 \%$ (at 1 ... 100 MHz)
Working capacitance	48 nF (At 800 Hz)
Smallest bending radius, fixed installation	50 mm (cable, fixed installation)

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Smallest bending radius, movable installation	95 mm (Cable, flexible installation)
Ambient temperature (operation)	-5 °C ... 60 °C (Cable, flexible installation)
	-20 °C ... 70 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-30 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 60 °C (Cable, flexible installation)
	Plug / socket

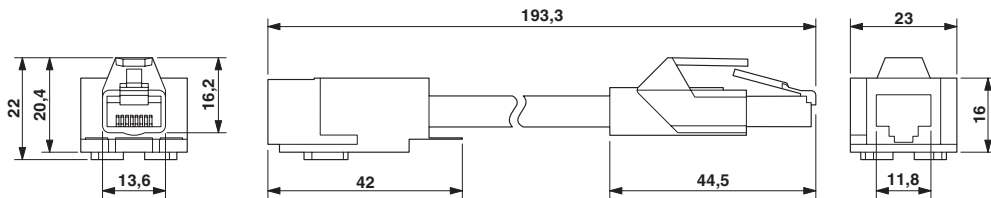
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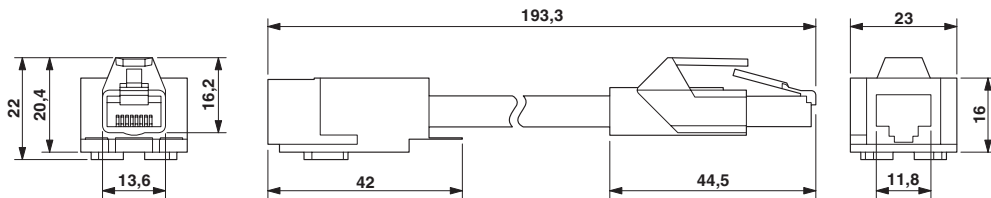
Drawings

Dimensional drawing



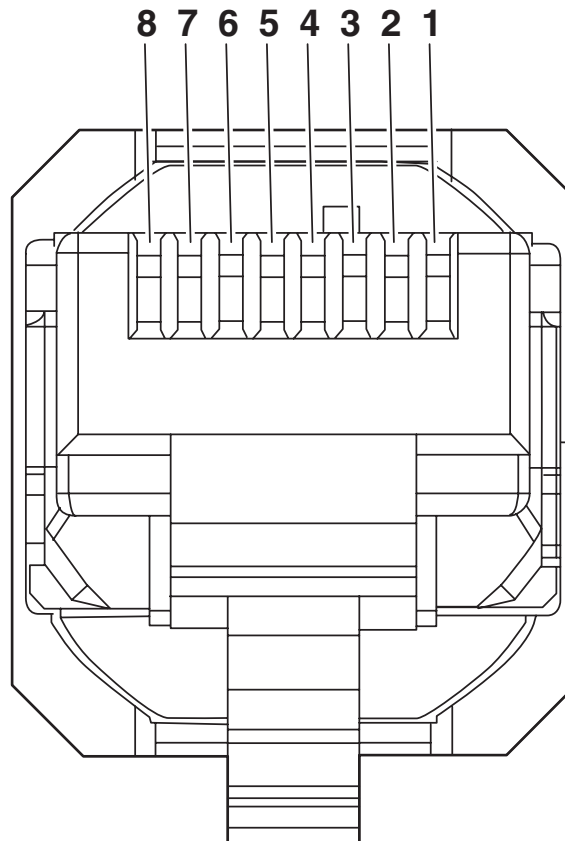
RJ45 connector, IP20

Dimensional drawing



RJ45 connector, IP20

Schematic diagram



Connector pin assignment plug RJ45

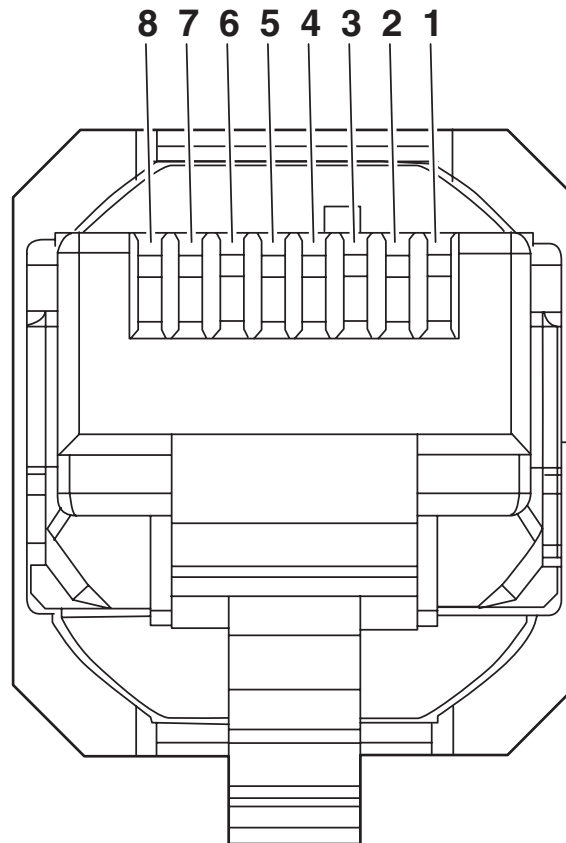
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Schematic diagram



Connector pin assignment plug RJ45

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Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

UNSPSC

UNSPSC 21.0	26121604
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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