

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/il/products/1658435>

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 documentation. Our General Terms of Use for Downloads are valid.



RJ45 connector, degree of protection: IP20, number of positions: 4, 100 Mbps, CAT5 (IEC 11801:2002), material: PA, connection method: IDC fast connection, cable outlet: straight, color: traffic grey A RAL 7042, PROFINET

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435



<https://www.phoenixcontact.com/il/products/1658435>

Commercial Data

Order Key	1658435
Packing unit	1 pc
Minimum order quantity	1 pc
Catalog Page	Page 372 (C-2-2019)
GTIN	4046356163118
Weight per Piece (including packing)	10.2 GRM
Weight per Piece (excluding packing)	10.2 GRM
Customs tariff number	85366990
Country of origin	CH

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/il/products/1658435>

Technical Data

Cable / line

Cable structure

Wire diameter	1.6 mm
Cable diameter	4.5 mm ... 8 mm

Connector

Connection profile	RJ45
Insertion/withdrawal cycles	≥ 750

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Degree of protection	IP20

Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.1 Connectors for Outside Environment (Balanced cabling)
---------	--

Environmental Product Compliance

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

Electrical properties

Frequency range	100 MHz
Rated current	1.75 A
Rated surge voltage	330 kV
Nominal current I_N	1.75 A
Contact resistance	< 0.001 Ω (Wire – IDC) < 0.005 Ω (Litz wires – IDC)
Insulation resistance	> 500 M Ω (100 V)
Nominal voltage U_N	48 V
Rated voltage (III/3)	72 V (DC)

Mechanical properties

Interlock

Locking type	Locking clips
--------------	---------------

Dimensions

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435



<https://www.phoenixcontact.com/il/products/1658435>

Dimensional drawing	
Length	56 mm
Height	14.6 mm
Width	14 mm

Material specifications

Contact material	Cu/Sn
Cable gland material	PA
Contact surface material	Au/Ni
Housing material	PA
Flammability rating according to UL 94	V0
Contact carrier material	PC
Color	gray

Characteristics

Shielded	yes
Cable outlet	straight
No. of cable outlets	1

Product properties

Number of positions	4
Type	RJ45 RJ45
Locking type	Locking clips

Insulation characteristics

Overvoltage category	I
Degree of pollution	1

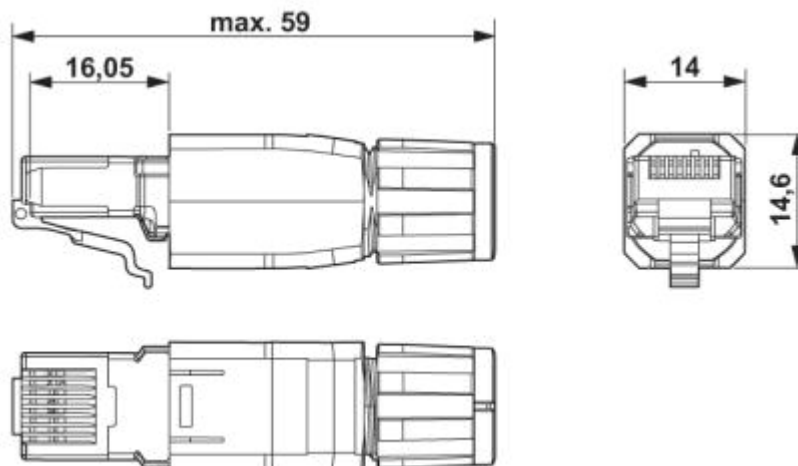
Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435



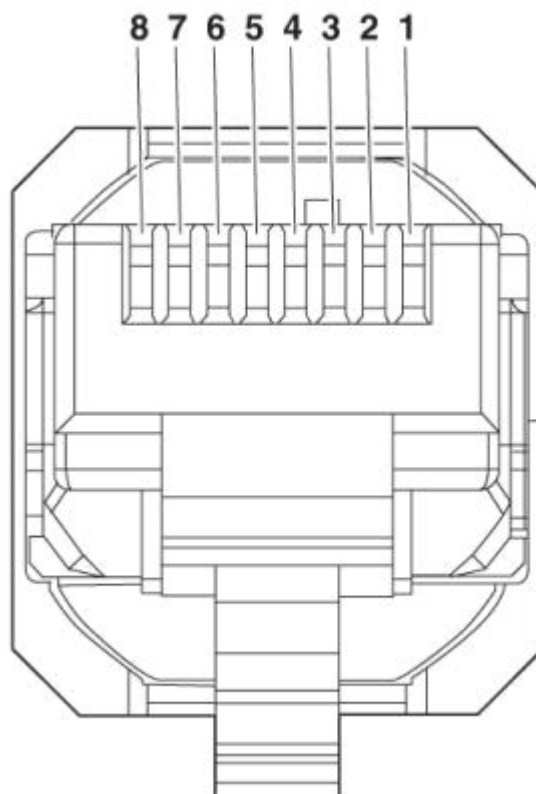
<https://www.phoenixcontact.com/it/products/1658435>

Drawings

Dimensional drawing



Schematic diagram



Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435



<https://www.phoenixcontact.com/il/products/1658435>

Approvals

UL Listed 

cUL Listed 

EAC 

cULus Listed

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435



<https://www.phoenixcontact.com/il/products/1658435>

Environmental Product Compliance

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

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/il/products/1658435>

Accessories

Data cable by the meter

Data cable by the meter - VS-OE-OE-93B-100,0 - 1416389



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, free cable end, on free cable end, cable length: 100 m

Data cable by the meter

Data cable by the meter - VS-OE-OE-93B/... - 1417362



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/il/products/1658435>

Data cable by the meter

Data cable by the meter - VS-OE-OE-93C-100,0 - 1416376



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PUR halogen-free, green RAL 6018, shielded, free cable end, on free cable end, cable length: 100 m, For drag chains

Data cable by the meter

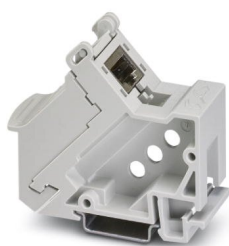
Data cable by the meter - VS-OE-OE-93C/... - 1417491



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PUR halogen-free, green RAL 6018, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m), For drag chains

Patch panel

Patch panel - CUC-PP-D1PGY/R4IDC8 - 1419024



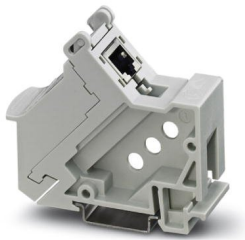
DIN rail adapter, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: PC-GF, connection method: IDC connection, connection cross section: AWG 26- 22, color: gray

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/il/products/1658435>

Patch panel

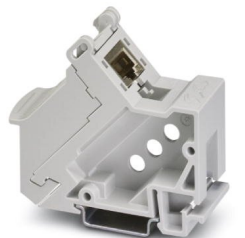
Patch panel - VS-PP-F-RJ45-CAT6 - 1658118



DIN rail adapter, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: PC-GF, connection method: IDC fast connection, connection cross section: AWG 24- 22, color: gray

Patch panel

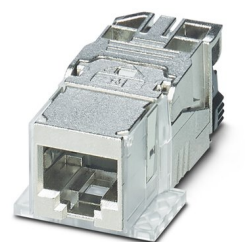
Patch panel - CUC-PP-D1PGY/R4GC8 - 1418094



DIN rail adapter, type: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: PC-GF, connection method: Coupling, color: gray

Female insert

Female insert - CUC-F-J1ZNI-S/R4IDC8 - 1418984



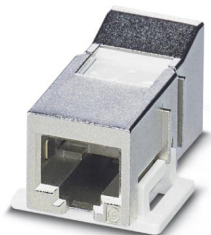
RJ45 socket insert, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22, Freetnet design for use with IP67 panel mounting frame and terminal outlets

Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/il/products/1658435>

Female insert

Female insert - CUC-F-D1ZNI-S/R4GC8 - 1419022



RJ45 coupling, type: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: Zinc die-cast

Female insert

Female insert - CUC-K-J1ZNI-S/R4IDC8 - 1419021



RJ45 socket insert, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22, Keystone design for use with IP20 panel mounting frame or integrated directly into the housing panel

Coding element

Coding element - VS-08-RJ45-Q-COD-SET - 1656893

Coding set, for color encoding of the RJ45 QUICKON connector, consisting of 80 color rings, 10 rings each in the colors: white, blue, red, green, yellow, violet, brown, gray



Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/en/products/1658435>

Coding element

Coding element - VS-08-RJ45-Q-COD-BU - 1658134

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Blue



Coding element

Coding element - VS-08-RJ45-Q-COD-BN - 1658147

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Brown



Coding element

Coding element - VS-08-RJ45-Q-COD-YE - 1658150

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Yellow



Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/en/products/1658435>

Coding element

Coding element - VS-08-RJ45-Q-COD-GY - 1658163

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Gray



Coding element

Coding element - VS-08-RJ45-Q-COD-GN - 1658176

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Green



Coding element

Coding element - VS-08-RJ45-Q-COD-RD - 1658189

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Red



Data plug - VS-PN-RJ45-5-Q/IP20 - 1658435

<https://www.phoenixcontact.com/il/products/1658435>

Coding element

Coding element - VS-08-RJ45-Q-COD-VT - 1658192

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Violet



Coding element

Coding element - VS-08-RJ45-Q-COD-BK - 1658202

Coding rings, for color coding of the RJ45 QUICKON connector, consisting of 10 color rings, color: Black



Phoenix Contact 2021 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Israel Ltd.
P.O.B. 1799 Industrial Park Hasharon
Quadima 60920
+972-9-8915700
info@phoenixcontact.co.il



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk