PHŒNIX CONTACT

RJ45 connector - VS-PN-RJ45-5-Q/IP20 - 1658435

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RJ45 connector, Degree of protection: IP20, Number of positions: 4, 100 Mbps, CAT5 (IEC 11801:2002), Material: PA, Connection method: IDC fast connection, Connection cross section: AWG 22-22, Cable exit: straight

RoHS **PROFI NET®**

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356163118
Weight per Piece (excluding packing)	11.900 g
Custom tariff number	85369010
Country of origin	Switzerland

Technical data

Mechanical characteristics

Number of positions	4
Connection profile	RJ45
Shielded	yes
Insertion/withdrawal cycles	≥ 1000
Connection method	IDC fast connection
Conductor cross section	0.32 mm² ... 0.32 mm² (solid)
	0.36 mm² ... 0.36 mm² (stranded)
Connection cross section AWG	22 ... 22 (solid)
	22 ... 22 (stranded)
External cable diameter	4.5 mm ... 8 mm
Cable exit	straight
Color	traffic grey A RAL 7042
Insulation resistance	> 500 MΩ (100 V)
Degree of protection	IP20

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Technical data

Mechanical characteristics

No. of cable outlets	1

Ambient conditions

Ambient temperature (operation)	-10 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Material data

Flammability rating according to UL 94	V0
Housing material	PA
Contact carrier material	PC
Contact material	Copper alloy
Contact surface material	Gold over nickel
Material	Plastic

Electrical characteristics

Number of positions	4
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
GRP transmission properties	CAT5 (IEC 11801:2002)
Transmission speed	100 Mbps
Rated current	1.75 A
Overvoltage category	I
Degree of pollution	1
Contact resistance	< 0.001 Ω (Wire – IDC)
	< 0.005 Ω (Litz wires – IDC)
Rated voltage (III/3)	50 V

Standards and Regulations

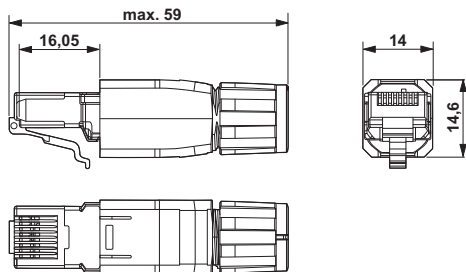| Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

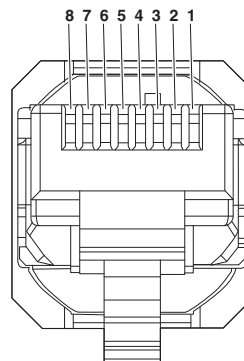| China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

PHŒNIX CONTACT

RJ45 connector - VS-PN-RJ45-5-Q/IP20 - 1658435

Dimensional drawing

max. 59

16,05

14

14,6

Schematic diagram

8 7 6 5 4 3 2 1

RJ45 connector, IP20

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440101
eCl@ss 9.0	27440101

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002636
ETIM 6.0	EC002636

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121409

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

PHŒNIX CONTACT

RJ45 connector - VS-PN-RJ45-5-Q/IP20 - 1658435

Approvals

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm²/AWG/kcmil		22	
Nominal current IN		1.75 A	
Nominal voltage UN		50 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm²/AWG/kcmil		22	
Nominal current IN		1.75 A	
Nominal voltage UN		50 V	

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Accessories

Accessories

Coding element

RJ45 coding rings - 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

PHŒNIX CONTACT

RJ45 connector - VS-PN-RJ45-5-Q/IP20 - 1658435

Accessories

RJ45 coding rings - VS-08-RJ45-Q-COD-BU - 1658134

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

RJ45 coding rings - VS-08-RJ45-Q-COD-BN - 1658147

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

RJ45 coding rings - VS-08-RJ45-Q-COD-YE - 1658150

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

RJ45 coding rings - VS-08-RJ45-Q-COD-GY - 1658163

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

RJ45 coding rings - VS-08-RJ45-Q-COD-GN - 1658176

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

PHŒNIX CONTACT

RJ45 connector - VS-PN-RJ45-5-Q/IP20 - 1658435

Accessories

RJ45 coding rings - VS-08-RJ45-Q-COD-RD - 1658189

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

RJ45 coding rings - VS-08-RJ45-Q-COD-VT - 1658192

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

RJ45 coding rings - VS-08-RJ45-Q-COD-BK - 1658202

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

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407

Stripping tool, for the multi-level stripping of shielded cables