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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## RJ45 connector - VS-08-RJ45-5-Q/IP20 BK - 1658008

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RJ45 connector, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: PA, connection method: IDC fast connection, connection cross section: AWG 26- 23, cable outlet: straight, color: black

### Why buy this product

- assembly without special tools
- UL
- Solid and stranded wires (1- and 7-wire)

RoHS

**Ethernet Ethernet**

### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356138536

### Technical data

#### Mechanical characteristics

Number of positions	8
Connection profile	RJ45
Insertion/withdrawal cycles	≥ 1000
Connection method	IDC fast connection
Conductor cross section	0.13 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (solid)
	0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (flexible)
Connection cross section AWG	26 ... 23 (solid)
	26 ... 23 (flexible)
Max. cable diameter	4.5 mm ... 8 mm
External cable diameter	4.5 mm ... 8 mm
Cable outlet	straight
Color	black
Degree of protection	IP20

# RJ45 connector - VS-08-RJ45-5-Q/IP20 BK - 1658008

## Technical data

### Mechanical characteristics

Type	RJ45, IP20
No. of cable outlets	1

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
Degree of protection	IP20

### 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
Height	14.6 mm

### Electrical characteristics

Number of positions	8
Nominal voltage $U_N$	50 V
Nominal current $I_N$	1.75 A
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
GRP transmission properties	CAT5 (IEC 11801:2002) CAT5 (IEC 11801:2002)
Transmission speed	1 Gbps
Frequency range	100 MHz
Rated current	1.75 A
Overvoltage category	I
Degree of pollution	1
Contact resistance	0.001 $\Omega$ (Wire – IDC)
	0.005 $\Omega$ (Litz wires – IDC)
Rated voltage (III/3)	72 V (DC)

### Standards and Regulations

Flammability rating according to UL 94	V0
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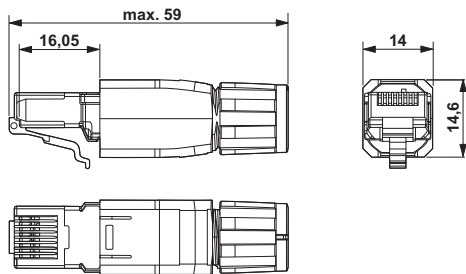
### Environmental Product Compliance

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

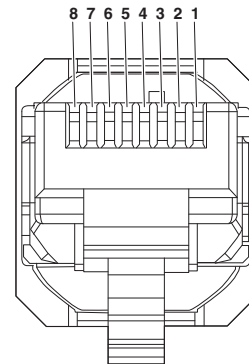
## Drawings

# RJ45 connector - VS-08-RJ45-5-Q/IP20 BK - 1658008

Dimensional drawing



Schematic diagram



RJ45 connector, IP20

## Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

## Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 335024
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 335024
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EAC			B.01742
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cULus Listed			
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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>