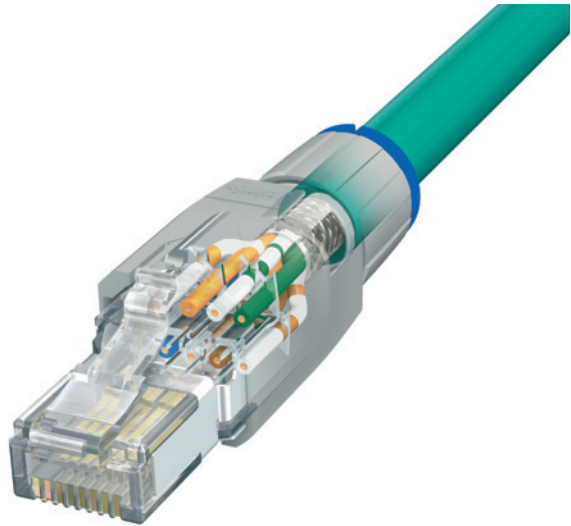


# VARIOSUB RJ45 QUICKON CAT5e connector, with fast connection system

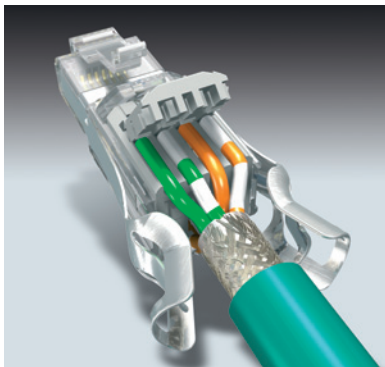
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## Description

The VARIOSUB RJ45 QUICKON in IP20 protection is the first industrial 8-pos. RJ45 connector that utilizes the fast connection technology. It fulfills the requirements of IAONA for use in light duty areas and is suitable as a CAT5e component for Fast Ethernet transmission at 100 mbps. The connection system can be operated without additional tools and can accommodate solid and stranded wires of AWG 26-22.



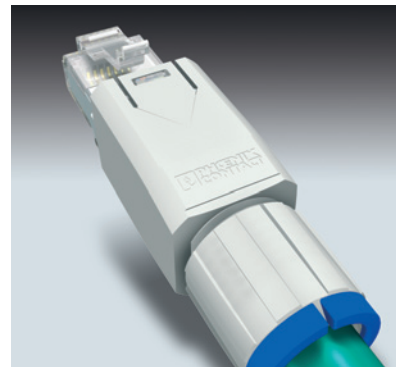
## Easy assembly:



Insert the conductor



Close the locking mechanism



Mount the housing – Finished

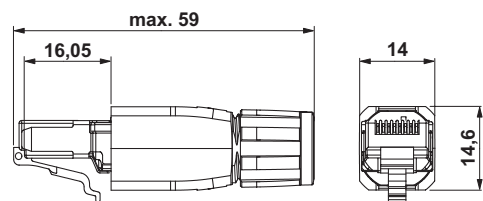
# RJ45 connector

## Technical data (CAT5e)

Basic standard IEC 60603-7 RJ45, Category 5+6;  
CD ISO/IEC 11801:April 2001 IEC 60603-7-1 to 5,  
Per EN 50173:Aug. 2001 mated Connection,  
EIA/TIA 568B:2001



Description	Type	Order No.	Pcs./Pkt.
<b>RJ45 QUICKON connector, CAT5e</b> , IP20, with fast connection system, 8-pos., for 1 to 7-wire cores AWG 26-22	<b>VS-08-RJ45-5-Q/IP20</b>	<b>1656725</b>	<b>1</b>
<b>Coding set</b> , for color coding of the RJ45 QUICKON connector, consisting of 80 color rings (10 rings in each color)	<b>VS-08-RJ45-Q-COD-SET</b>	<b>1656893</b>	<b>1</b>
<b>Mechanical data</b>			
Number of pos.	8		
Degree of protection	IP20		
Inflammability class in acc. with UL 94	V0		
Insertion/withdrawal cycles	>1000		
<b>Temperature ranges</b>			
Storage temperature [°C]	-40 ... +70		
Operating temperature [°C]	-20 ... +70		
Connecting temperature [°C]	-10 ... +60		
<b>Core cross section</b>			
Solid conductors (1-wire) AWG / [mm <sup>2</sup> ]	26 - 22 / 0.13 - 0.32		
Litz wire (7-wire) AWG / [mm <sup>2</sup> ]	26 - 22 / 0.14 - 0.36		
Cable diameter [mm]	4.5 - 8		
Connection type	IDC /insulation displacement contacts in acc. with IEC 60352-4		
Cable strain relief [N]	> 50		
Shield contacting	covering a large surface > 180° (on cable shield)		
<b>Material</b>			
Contact	CuSn6 (bronze)		
Contact surface	>1.2 µm Au on 1.2 µm Ni		
Surface IDC	approx. 5 µm tin-plated (lead-free)		
Contact carrier	PC		
Housing	PA		
Shielding	CuZn (brass), 3 µm hot-dip galvanized		
<b>Electrical data</b>			
Rated voltage [V]	50		
Rated current [A]	1.75 (at 20°C)		
Transmission rate [mbps]	100		
Surge voltage category	I		
Contamination class	1		
Insulation resistance [Ω]	> 500 (100 V)		
<b>Contact resistance</b>			
Solid conductors – IDC [Ω]	< 1		
Litz wire – IDC [Ω]	< 5		
<b>Dielectric strength</b>			
Contact – Contact [V]	> 1000, 1 min.		
Shield – Contact [V]	> 1500, 1 min.		



VS-08-RJ45-5-Q/IP20