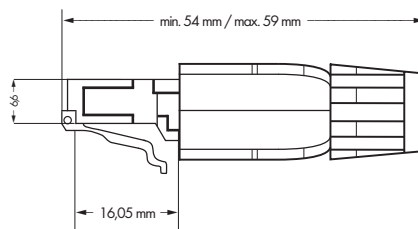
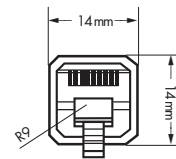
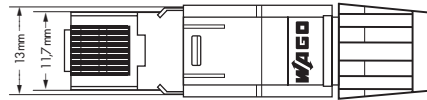


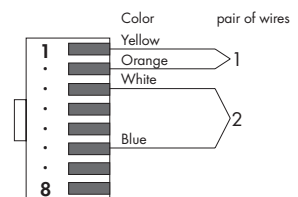
750-976

PROFINET RJ-45 Connector, IP20

PROFINET 10/100 Mbps/s; for field assembly



Pin assignment PROFINET



Versatile RJ-45 connector for industrial, office and building wiring

The compact RJ-45 PROFINET connector uses IDC technology for tool-free connections in the field. Both solid and stranded conductors can be connected. The connector is compliant with all required standards and complies with Category 5e.

Description	Item No.	Pack. Unit
PROFINET RJ-45 connector	750-976	1
Technical Data		
General Specifications		
No. of Poles	8	
Contact material	Bronze (CuSn6)	
Contact plating	> 1.2 µm gold over 1.2 µm nickel	
Insulation material	PC (UL94-V0)	
Housing material	PA (UL94-V0)	
Mating cycles	min. > 1000	
Wire connection	IDC acc. to 60352-4	
IDC surface treatment	Tin-plated, approx. 5 µm	
Cross sections	Solid: 0.24 mm ² ... 0.32 mm ² / AWG 23 ... 22 Stranded: 0.26 mm ² ... 0.36 mm ² / AWG 23/7 ... 22/7	
Admissible insulation Ø	≤ 1.6 mm	
Cable jacket Ø	4.5 mm ... 8.0 mm	
Wire strain relief	With plastic ribs	
Cable strain relief	> 50N	
Shield contacting	Large surface >180° (on cable shield)	
Shield material	Brass (CuZn), hot-dip tinned 3 µm	
Ambient operating temperature	-20°C ... +70°C	
Storage temperature	-40 °C ... +70 °C	
Degree of protection	IP20	

Technical Data	
Electrical data:	
Contact resistance	(wire - IDC) < 1 mΩ; (strand - IDC) < 5 mΩ
Connector shield	< 20 mΩ
Insulation resistance	(100V) > 1 GΩ
Dielectric strength	(contact-contact) > 1000 V, 1 min.; (shield contact) > 1500 V, 1 min.
Nominal current	1.75 A / 20 °C
Standards/Specifications	- Basic standard: IEC 60603-7 RJ-45 Category 5 - CD ISO/IEC 11801: 2002 - EN 50173: 2002
Approvals	
UL 508	