Data Sheet | Item Number: 750-975

ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

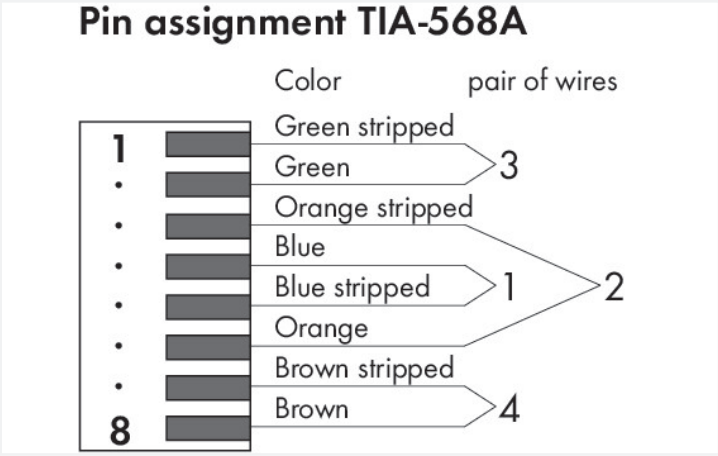
https://www.wago.com/750-975

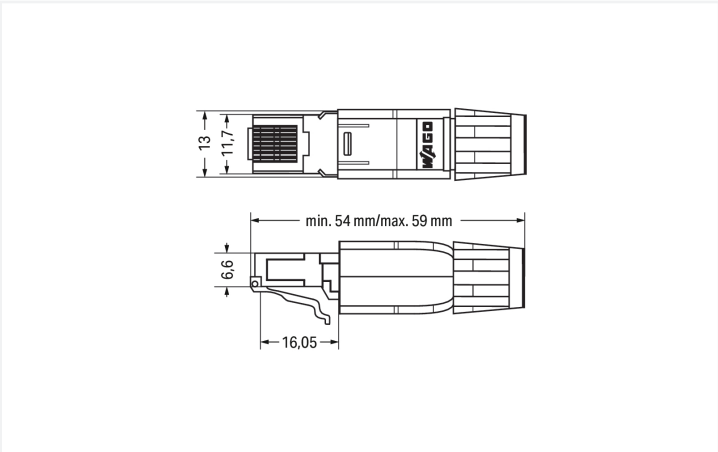




Color: light gray







Dimensions in mm

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

This compact RJ-45 ETHERNET Connector uses IDC technology for easy field assembly.
Conductor termination is performed without any tools. The connector is compliant with all required standards. Large conductor cross-sections can also be connected. The connector complies with Category 5e.

Technical data

Connection type	RJ-45 plug
Pole number	8
Cable connection direction to mating direction	0 °
Communication/fieldbus	ETHERNET
Code	TIA-568A
Transmission rate	1000 Mbit/s
Insulation resistance	(100 V) > 1 GΩ
Contact resistance	(Wire – IDC) < 1 mΩ; (Strand – IDC) < 5 mΩ

Connection Data

Connection type	IDC contact
Solid conductor	0.13 … 0.24 mm² / 26/1 … 23/1 AWG
Stranded conductor	0.14 … 0.36 mm² / 26/7 … 22/7 AWG

Physical data

Width	14 mm
Height	14 mm
Depth	59 mm

Mechanical data

Shield	Brass (CuZn); hot-dip tinned 3 µm; Shield contact: large surface >180°
Connection requirement (permissible cable type)	Cat. 5e
Connectable sheathed cable diameter	4.5 … 8 mm
Housing material	Plastic
Contact material	Bronze (CuSn6)
Contact Plating	> 1.2 µm gold over 1.2 µm nickel
Mating cycles (max.)	1000
Weight	10 g
Color	light gray

Environmental requirements

Ambient temperature (operation)	-20 … +70 °C
Ambient temperature (storage)	-40 … +70 °C
Protection type	IP20
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Standards/specifications	Basic standard: IEC 60603-7 RJ-45 Category 5 CD ISO/IEC 11801: 2002 EN 50173: 2002 EIA/TIA 568A: 2002

Commercial data

Product Group	15 (I/O System)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CH
GTIN	4045454482480
Customs tariff number	85366990990

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Product Classification

UNSPSC	39121413
eCl@ss 10.0	27-24-26-92
eCl@ss 9.0	27-24-26-92
ETIM 9.0	EC002584
ETIM 10.0	EC002584
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	25-0415412
BV Bureau Veritas S.A.	-	30389/C0 BV
DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
KR Korean Register of Shipping	-	KR HMB05880-AC001
LR Lloyds Register EMEA	-	LR22180952TA
PRS Polski Rejestr Statków	-	TE/1101/880590/23
RINA RINA Germany GmbH	-	ELE343521XG001

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-975

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Documentation

System Description

Overview on WAGO-I/O-SYSTEM 750 approvals	pdf 770.48 KB	

Bid Text

750-975	19.02.2019	xml 5.34 KB	
750-975	06.10.2017	doc 27.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models 750-975	

CAE data

EPLAN Data Portal 750-975	
WSCAD Universe 750-975	