

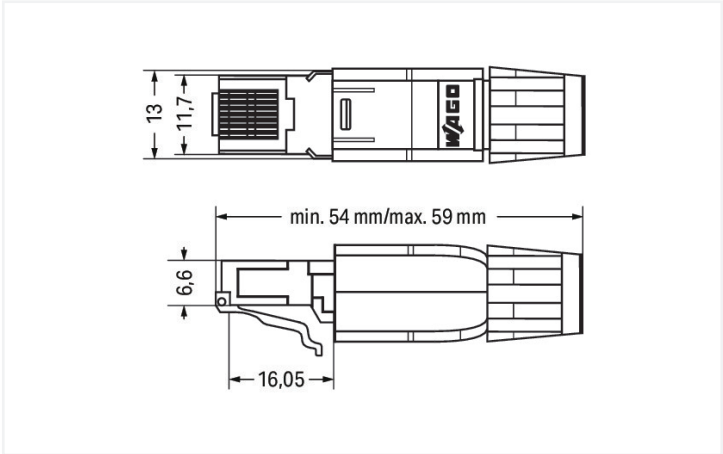


Color: ■ light gray



Pin assignment TIA-568A

	Color	pair of wires
1	Green stripped	3
.	Green	
.	Orange stripped	2
.	Blue	
.	Blue stripped	
.	Orange	
.	Brown stripped	4
8	Brown	



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 1		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
Fire load		0 MJ
Standards/specifications		Basic norm: 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

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 8.0	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 Ship- ping	-	22-2219060
BV Bureau Veritas S.A.	-	30389/C0 BV
DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
KR Korean Register of Ship- ping	-	KR HMB05880-AC001
LR Lloyds Register EMEA	-	LR22180952TA
PRS Polski Rejestr Statków	-	TE/1101/880590/23
RINA RINA Germany GmbH	-	ELE343521XG001



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Environmental Product Compliance

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Documentation

System Description

Overview on WAGO-I/O-SYSTEM 750 approvals

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