

Data sheet | Item number: 750-976

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

www.wago.com/750-976



Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
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Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

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

This compact RJ-45 PROFINET Connector uses IDC technology for easy field assembly.

Conductor termination is performed without any tools. The connector fulfills all required standards and connects both solid and stranded conductors.

The connector complies with Category 5e.

Data

Technical data

Connection type	RJ-45 plug
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Pole number	8
Cable connection direction to mating direction	0°
Communication/fieldbus	PROFINET
Code	PROFINET
Baud rate	-
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 mm ² / 26/1 ... 23/1 AWG
Stranded conductor 2	0.14 ... 0.36 mm ² / 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.)	1,000
Weight	13.4 g

Environmental requirements

Ambient temperature (operation)	-20 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Protection type	IP20
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Standards/specifications	Basisnorm: IEC 60603-7 RJ-45 Category 5 CD ISO/IEC 11801: 2002

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EN 50173: 2002

Commercial data

Product Group	15 (I/O System)
eCl@ss 10.0	27-24-26-92
eCl@ss 9.0	27-24-26-92
ETIM 8.0	EC002584
ETIM 7.0	EC002584
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CH
GTIN	4045454988173
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1977	E345416

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2219060
	DNV DNV GL SE	DNV-CG-0339, Aug. 2021	TAA0000194
	LR Lloyds Register EMEA	-	LR22180952TA
	PRS Polski Rejestr Statków	-	TE/2236/880590 /19
	RINA RINA Germany GmbH	-	ELE343521XG001

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Downloads

Documentation

Manual

System Manual WAGO I/O System 750/753 Decentralized Automation Technology	V 3.3.3 2023 年8月29 日	pdf 8.7 MB	Download
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Bid Text

750-976 X81 - Datei	2019 年2月19 日	xml 5.4 kB	Download
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750-976 doc - Datei	2017 年10月6 日	doc 28.2 kB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
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System Description

Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 223.5 kB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 750-976		URL	Download
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WSCAD Universe 750-976		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-976 PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly		URL	Download
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Installation Notes

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