FL PLUG RJ45 GN/2 - RJ45 connector

2744571

https://www.phoenixcontact.com/us/products/2744571

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

Your advantages

- Set of 2 connectors
- Easy installation with a crimping tool
- With gray bend protection sleeve: recommended for straight, uncrossed cables

Commercial data

Item number	2744571
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAG
Catalog page	Page 50 (C-5-2017)
GTIN	4017918607586
Weight per piece (including packing)	19 g
Weight per piece (excluding packing)	18.8 g
Customs tariff number	85366990
Country of origin	US

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Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
Type	RJ45
Cable outlet	straight
Positions/contacts	8P8C

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Contact resistance	< 100 mΩ (max.)
Frequency range	100 MHz
Insulation resistance	> 500 MΩ
Nominal current I_N	1.5 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps

Connection data

Connection technology

Connection method	Crimp connection
Connection cross section AWG	26 ... 24 (solid)
	26 ... 24 (flexible)
Conductor cross section	0.14 mm² ... 0.22 mm² (solid)
	0.14 mm² ... 0.22 mm² (flexible)

Dimensions

Width	13.7 mm
Height	13.1 mm
Length	13.7 mm

Material specifications

Color	green
Flammability rating according to UL 94	V0
Housing material	Plastic

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Contact material	Phosphor bronze
Contact surface material	Au/Ni
Contact carrier material	PC
Locking latch material	PC

Cable/line

External cable diameter	4.6 mm ... 5.8 mm
Cable cross section	0.14 mm²
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	min. 2500
Insertion force per signal contact	< 20.00 N
Extraction force per signal contact	< 20 N

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

Mounting

Mounting type	Crimp connection

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Classifications

ECLASS

ECLASS-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002636

UNSPSC

UNSPSC 21.0	39121400

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%