FL PLUG RJ45 GR/2 - RJ45 connector

2744856

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CRIMP



The figure shows the version FL PLUG RJ45 GN/2

RJ45 connector, RJ45, Ethernet, CAT5 (IEC 11801:2002) (1 Gbps), 8-position, connection method: Crimp connection, material: Plastic, connection cross section: AWG 26- 24, degree of protection: IP20

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	2744856
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAG
GTIN	4017918607579
Weight per piece (including packing)	18.8 g
Weight per piece (excluding packing)	6.596 g
Customs tariff number	85366990
Country of origin	US

Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
Number of positions	8
Connection profile	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 speed	1 Gbps
Transmission characteristics (category)	CAT5

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)

Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps

Dimensions

Width	13.7 mm
Height	13.1 mm
Length	32.7 mm

Material specifications

Flammability rating according to UL 94	V0
Housing material	Plastic

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

Classifications

ECLASS

ECLASS-13.0	27440114
ECLASS-15.0	27440114

ETIM

ETIM 10.0	EC002636

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.284 kg CO2e

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