CUC-STD-C1PGY-S/R4E8:10 - RJ45 connector

1414394

https://www.phoenixcontact.com/us/products/1414394

PHŒNIX CONTACT

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: Plastic, connection method: Crimp connection, connection cross section: AWG 24- 27, cable outlet: straight, color: gray, Ethernet

Your advantages

- Reliable 360° shield contact due to the proven crimp connection
- Easy installation with a crimping tool
- Pin insert for V.06 sleeve housing VS-08-T-H-RJ45/IP67

Commercial data

Item number	1414394
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	ABNAAG
GTIN	4055626028200
Weight per piece (including packing)	6.12 g
Weight per piece (excluding packing)	6.12 g
Country of origin	TW

Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
No. of cable outlets	1
Type	RJ45
Shielded	no
Cable outlet	straight
Positions/contacts	8P8C

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1 A
Contact resistance	< 20 mΩ (Contact)
	< 100 mΩ (shield)
Frequency range	to 250 MHz
Insulation resistance	> 500 MΩ
Nominal voltage U_N	72 V (DC)
Nominal current I_N	1 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT6
Transmission speed	1 Gbps

Connection data

Connection technology

Connection method	Crimp connection
Connection cross section AWG	24 ... 27 (flexible)
Conductor cross section	0.11 mm² ... 0.22 mm² (flexible)
Cable outlet, angle	180

Dimensions

Width	13.5 mm
Height	17 mm

Length	44.65 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V2
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	6.6 mm
Cable cross section	0.11 mm²
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750
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)	-25 °C ... 60 °C

Mounting

Mounting type	Crimp connection

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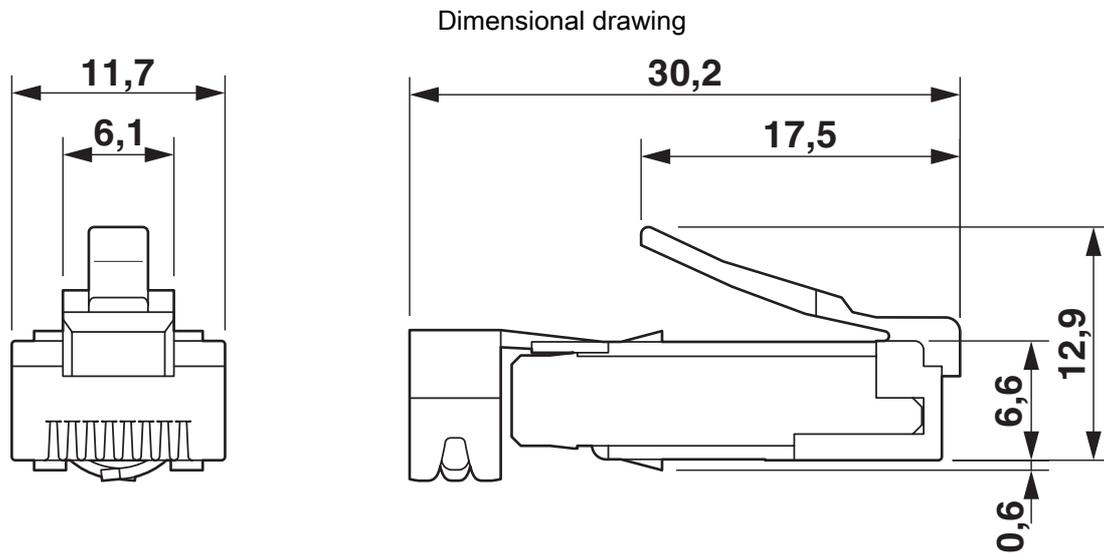
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Drawings

Dimensional drawing

11,7

6,1

RJ45 male insert

30,2

17,5

12,9

6,6

0,6

Dimensional drawing

44,65

13,4
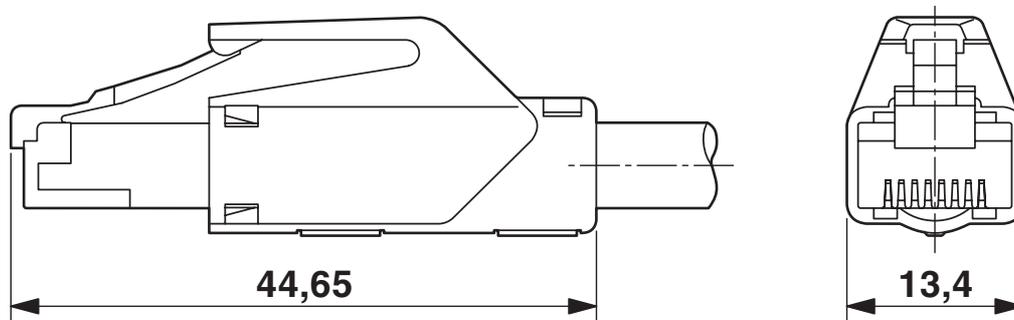
RJ45 connector, IP20

Classifications

ECLASS

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

ETIM

ETIM 9.0	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%

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Accessories

VS-CT-RJ45-H - Crimping pliers

1653265

https://www.phoenixcontact.com/us/products/1653265

Crimp tool, pliers with die, for RJ45 pin inserts VS-08-ST-H...-RJ45 and VS-08-RJ45-10G/C

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