

# HC-STA-RJ45I-23-HT-M20-PLRBK - Connector set



1249555

<https://www.phoenixcontact.com/us/products/1249555>

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Connector set, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: PA, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight, With RJ45 contact insert, with slotted seal

## Your advantages

- Lower costs than metal version
- Labeling option using 9 x 20 mm marking label
- Low weight
- Lower risk of condensation

## Commercial data

Item number	1249555
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	AF7AFX
GTIN	4063151354756
Weight per piece (including packing)	63 g
Weight per piece (excluding packing)	59 g
Customs tariff number	85366990
Country of origin	CN

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## Set consists of

### CUC-INI-C1ZNI-S/R4IP8 - RJ45 male insert

1421129

<https://www.phoenixcontact.com/us/products/1421129>



RJ45 male insert, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, Ethernet/PROFINET

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### HC-Q-I-RJ45I-AD-08-PC-M - Contact insert

1077119

<https://www.phoenixcontact.com/us/products/1077119>



Contact insert, number of positions: RJ45, size: D7, type : RJ45, Pin, 50 V, 1 A, application: Data, Adapter for RJ45 connectors

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## HC-STA-D07-HHFS-1TGM20-PL-BK - Housing

1419255

<https://www.phoenixcontact.com/us/products/1419255>



Sleeve housing D7, for single locking latch, material: PA, cable outlets: 1, straight, 1x M20, height: 77.6 mm, cable gland: with, Standard

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## Technical data

### Product properties

Product type	Connector set
Housing type	Sleeve housing
Series	HC-D
Type	D7
Sensor type	Ethernet/PROFINET
Number of positions	8
Type of the screw connection	1x M20
Cable outlet	straight

### Insulation characteristics

Overvoltage category	I
Degree of pollution	3

### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Nominal voltage $U_N$	48 V
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Transmission speed	1 Gbps

### Connection data

Connection method	IDC fast connection
Conductor cross-section	0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (solid)
	0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (flexible)
	0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (solid)
	0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (flexible)
Connection cross section AWG	26 ... 24 (solid)
	23 ... 22 (flexible)

### Interfaces

Signal type/category	Ethernet/PROFINET CAT5 (IEC 11801:2002), 1 Gbps
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### Material specifications

Material	PA
Flammability rating according to UL 94	V0
Seal material	NBR
Housing material	PA
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	PC

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## Cable/line

Signal type/category	Ethernet/PROFINET CAT5 (IEC 11801:2002), 1 Gbps
External cable diameter	4 mm ... 7 mm

## Mechanical properties

### Mechanical data

Type of the screw connection	1x M20
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66
Impact strength	IK06
Ambient temperature (operation)	-40 °C ... 70 °C

## Mounting

Mounting type	Latching with lower housing part
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## Classifications

### ECLASS

ECLASS-13.0	27440113
ECLASS-15.0	27440113

### ETIM

ETIM 10.0	EC002636
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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