

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 23- 22, 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	BF7AFX
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

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

Notes

General	Connectors may be operated only when there is no load/voltage.
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Product properties

Product type	Connector set
Series	HC-D
Type	D7
Sensor type	Ethernet/PROFINET
Number of positions	8
Type of the screw connection	1x M20
Type	RJ45
Cable outlet	straight

Data management status

Article revision	00
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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 characteristics (category)	CAT5 (IEC 11801:2002)
Transmission speed	1 Gbps

Connection data

Connection method	IDC fast connection
Conductor cross section	0.23 mm ² ... 0.32 mm ² (solid)
	0.23 mm ² ... 0.36 mm ² (flexible)
	0.23 mm ² ... 0.32 mm ² (solid)
	0.23 mm ² ... 0.36 mm ² (flexible)
Connection cross section AWG	23 ... 22 (solid)
	23 ... 22 (flexible)

Interfaces

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

Flammability rating according to UL 94	V0
Seal material	NBR
Housing material	PA

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Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	PC

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-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440113

ETIM

ETIM 9.0	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
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

HC-STA-RJ45GC-BWSC-PLRBK - Connector set

1249559

<https://www.phoenixcontact.com/us/products/1249559>

Connector set, number of positions: 8, CAT6, material: PA, Gender changer



HC-STA-RJ45GC-BWSC-ELAL - Connector set

1249560

<https://www.phoenixcontact.com/us/products/1249560>

Connector set, number of positions: 8, CAT6, material: Die-cast aluminum, salt water resistant, Gender changer



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