

# HC-Q-I-RJ45 GC-F/F - Contact insert



1422590

<https://www.phoenixcontact.com/us/products/1422590>

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Contact insert, number of positions: RJ45, size: D7, type : RJ45, Socket, 50 V, 1 A, application: Data, Gender changer

## Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

## Commercial data

Item number	1422590
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABJ
Catalog page	Page 513 (C-2-2019)
GTIN	4055626328393
Weight per piece (including packing)	17.8 g
Weight per piece (excluding packing)	15 g
Customs tariff number	85366990
Country of origin	CN

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## Technical data

### Notes

General	Use the patch cable from the accessories list.
General	Connectors may be operated only when there is no load/voltage.

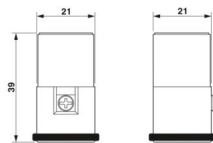
### Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-Q
Application	Data
Type	D7
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
Type	RJ45

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	21 mm
Height	39 mm
Length	21 mm

### Connection data

#### Connection technology

Connection in acc. with standard	IEC / EN
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#### Conductor connection

Tightening torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
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### Electrical properties

Rated voltage (III/3)	50 V
Rated surge voltage	0.8 kV
Rated current	1 A
Insulation resistance	100 MΩ
Nominal voltage $U_N$	50 V

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Transmission characteristics (category)	CAT6 <sub>A</sub>
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## Material specifications

Material Housing	PA 6.6
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Au
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
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## Standards and regulations

### Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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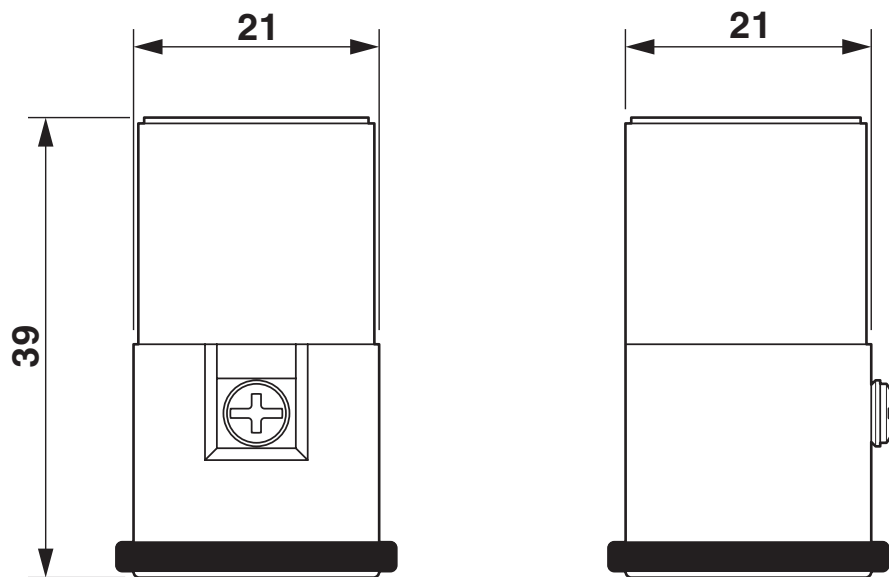
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1422590>



**EAC**

Approval ID: RU C-DE.BL08.B.00511

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## Classifications

### ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

### ETIM

ETIM 8.0	EC000438
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### UNSPSC

UNSPSC 21.0	39121500
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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-D07-SP-RBK - Profile gasket

1419622

<https://www.phoenixcontact.com/us/products/1419622>

Profile gasket, design: D7, for pin inserts



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### HC-D 7-DS-IP65 - Sealing screw

1686229

<https://www.phoenixcontact.com/us/products/1686229>

Sealing screw, size: Countersunk head, IP67, replacement part for D7 size HEAVYCON housing





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## FL CAT5 PATCH 0,3 - Patch cable

2832250

<https://www.phoenixcontact.com/us/products/2832250>



Patch cable, CAT5, assembled, 0.3 m

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## FL CAT5 PATCH 0,5 - Patch cable

2832263

<https://www.phoenixcontact.com/us/products/2832263>



Patch cable, CAT5, assembled, 0.5 m

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## FL CAT5 PATCH 1,0 - Patch cable

2832276

<https://www.phoenixcontact.com/us/products/2832276>



Patch cable, CAT5, assembled, 1 m

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## FL CAT5 PATCH 1,5 - Patch cable

2832221

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Patch cable, CAT5, assembled, 1.5 m

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## FL CAT5 PATCH 2,0 - Patch cable

2832289

<https://www.phoenixcontact.com/us/products/2832289>



Patch cable, CAT5, assembled, 2 m

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## FL CAT5 PATCH 3,0 - Patch cable

2832292

<https://www.phoenixcontact.com/us/products/2832292>



Patch cable, CAT5, assembled, 3 m

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## FL CAT5 PATCH 5,0 - Patch cable

2832580

<https://www.phoenixcontact.com/us/products/2832580>



Patch cable, CAT5, assembled, 5 m

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## FL CAT5 PATCH 7,5 - Patch cable

2832616

<https://www.phoenixcontact.com/us/products/2832616>



Patch cable, CAT5, assembled, 7.5 m

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## FL CAT5 PATCH 10,0 - Patch cable

2832629

<https://www.phoenixcontact.com/us/products/2832629>



Patch cable, CAT5, assembled, 10 m

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## FL CAT6 PATCH 0,3 - Patch cable

2891181

<https://www.phoenixcontact.com/us/products/2891181>



Patch cable, degree of protection: IP20, cable length: 0.3 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 0,5 - Patch cable

2891288

<https://www.phoenixcontact.com/us/products/2891288>



Patch cable, degree of protection: IP20, cable length: 0.5 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 1,0 - Patch cable

2891385

<https://www.phoenixcontact.com/us/products/2891385>



Patch cable, degree of protection: IP20, cable length: 1 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 1,5 - Patch cable

2891482

<https://www.phoenixcontact.com/us/products/2891482>



Patch cable, degree of protection: IP20, cable length: 1.5 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 2,0 - Patch cable

2891589

<https://www.phoenixcontact.com/us/products/2891589>



Patch cable, degree of protection: IP20, cable length: 2 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 3,0 - Patch cable

2891686

<https://www.phoenixcontact.com/us/products/2891686>



Patch cable, degree of protection: IP20, cable length: 3 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 5,0 - Patch cable

2891783

<https://www.phoenixcontact.com/us/products/2891783>



Patch cable, degree of protection: IP20, cable length: 5 m, number of positions: 8, 1 Gbps, CAT6, Ethernet



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### FL CAT6 PATCH 7,5 - Patch cable

2891880

<https://www.phoenixcontact.com/us/products/2891880>



Patch cable, degree of protection: IP20, cable length: 7.5 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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### FL CAT6 PATCH 10 - Patch cable

2891877

<https://www.phoenixcontact.com/us/products/2891877>



Patch cable, degree of protection: IP20, cable length: 10 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 12,5 - Patch cable

2891369

<https://www.phoenixcontact.com/us/products/2891369>



Patch cable, degree of protection: IP20, cable length: 12.5 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 15,0 - Patch cable

2891372

<https://www.phoenixcontact.com/us/products/2891372>



Patch cable, degree of protection: IP20, cable length: 15 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## FL CAT6 PATCH 20,0 - Patch cable

2891576

<https://www.phoenixcontact.com/us/products/2891576>



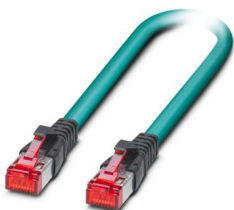
Patch cable, degree of protection: IP20, cable length: 20 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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## NBC-R4AC1/0,3-94G/R4AC1-BU - Patch cable

1413158

<https://www.phoenixcontact.com/us/products/1413158>



Patch cable, degree of protection: IP20, cable length: 0.3 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

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## NBC-R4AC1/0,5-94G/R4AC1-BU - Patch cable

1413159

<https://www.phoenixcontact.com/us/products/1413159>



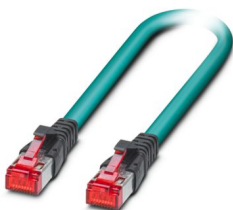
Patch cable, degree of protection: IP20, cable length: 0.5 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

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## NBC-R4AC1/1,0-94G/R4AC1-BU - Patch cable

1413160

<https://www.phoenixcontact.com/us/products/1413160>



Patch cable, degree of protection: IP20, cable length: 1 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

# HC-Q-I-RJ45 GC-F/F - Contact insert

1422590

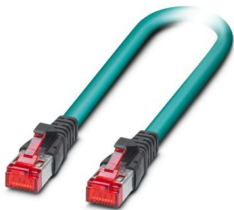
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## NBC-R4AC1/2,0-94G/R4AC1-BU - Patch cable

1413161

<https://www.phoenixcontact.com/us/products/1413161>



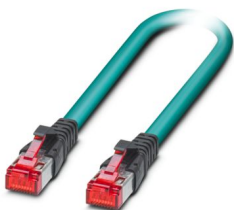
Patch cable, degree of protection: IP20, cable length: 2 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

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## NBC-R4AC1/3,0-94G/R4AC1-BU - Patch cable

1413162

<https://www.phoenixcontact.com/us/products/1413162>



Patch cable, degree of protection: IP20, cable length: 3 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

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1422590

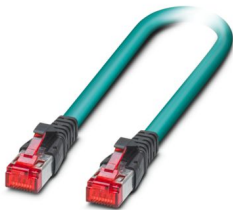
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## NBC-R4AC1/5,0-94G/R4AC1-BU - Patch cable

1413163

<https://www.phoenixcontact.com/us/products/1413163>



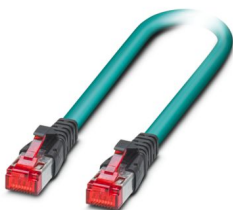
Patch cable, degree of protection: IP20, cable length: 5 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

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## NBC-R4AC1/10,0-94G/R4AC1-BU - Patch cable

1413164

<https://www.phoenixcontact.com/us/products/1413164>



Patch cable, degree of protection: IP20, cable length: 10 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

## HC-Q-I-RJ45 GC-F/F - Contact insert

1422590

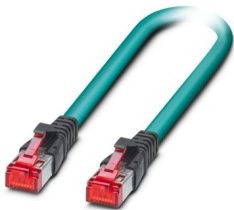
<https://www.phoenixcontact.com/us/products/1422590>



## NBC-R4AC1/15,0-94G/R4AC1-BU - Patch cable

1413165

<https://www.phoenixcontact.com/us/products/1413165>



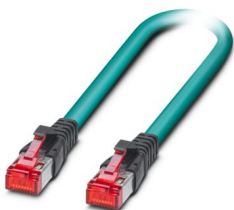
Patch cable, degree of protection: IP20, cable length: 15 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

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## NBC-R4AC1/20,0-94G/R4AC1-BU - Patch cable

1413166

<https://www.phoenixcontact.com/us/products/1413166>



Patch cable, degree of protection: IP20, cable length: 20 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet

## HC-Q-I-RJ45 GC-F/F - Contact insert

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

1077119

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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-Q-I-RJ45-AD-PC-M - Contact insert

1077120

<https://www.phoenixcontact.com/us/products/1077120>



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



# HC-Q-I-RJ45 GC-F/F - Contact insert

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## HC-Q-I-RJ45-08-M - Contact insert

1077117

<https://www.phoenixcontact.com/us/products/1077117>

Contact insert, number of positions: RJ45, size: D7, type : RJ45, Pin, 50 V, 1 A,  
application: Data, With RJ45 contact insert



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