

# FC 4-PCB/10 - Connector



3208736

<https://www.phoenixcontact.com/us/products/3208736>

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PCB header, 10-pos.



## Commercial data

Item number	3208736
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE64
Product key	BE643X
Catalog page	Page 334 (C-1-2019)
GTIN	4055626012681
Weight per piece (including packing)	43.46 g
Weight per piece (excluding packing)	43.46 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Plug
Number of positions	10
Pitch	6.1 mm
Number of connections	10
Number of rows	1
Potentials	10

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.02 W

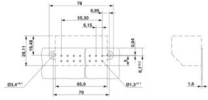
### Connection data

Nominal cross section	4 mm <sup>2</sup>
Rated cross section AWG	10

### Level 1

Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	20 ... 14 (converted acc. to IEC)
Nominal current	15 A
Maximum load current	30 A
Nominal voltage	320 V

### Dimensions

Dimensional drawing	
Width	97.5 mm
Height	29.1 mm
Depth	34.3 mm
Pitch	6.1 mm

### Material specifications

Color	gray
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Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Electrical tests

Short-time withstand current 2.5 mm <sup>2</sup>	0.01 kA
Result	Test passed

## Mechanical properties

### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Needle-flame test

Time of exposure	30 s
Result	Test passed

### Oscillation/broadband noise

Specification	DIN EN 60255-21-1:1996-05 (following)
Frequency	10 Hz ... 150 Hz
Acceleration	1g (84.2 Hz ... 150 Hz)
Test directions	X-, Y- and Z-axis
Result	Test passed

### Shocks

Specification	DIN EN 60255-21-1:1996-05 (following)
Pulse shape	Half-sine
Acceleration	30g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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## Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 61984
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## Mounting

Mounting type	PCB mounting
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## Classifications

### ECLASS

ECLASS-11.0	27141133
ECLASS-12.0	27141133
ECLASS-13.0	27250301

### ETIM

ETIM 9.0	EC000886
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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