

DFK-PC 4/ 4-G-7,62-FS4,8 - Feed-through header



1861170

<https://www.phoenixcontact.com/us/products/1861170>

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Feed-through header, nominal cross section: 4 mm², color: green, nominal current: 15 A, rated voltage (III/2): 400 V, contact surface: Tin, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: DFK-PC 4/..-G -FS4,8, pitch: 7.62 mm, connection method: Spade connection, mounting: Direct mounting, number of solder pins per potential: 1, plug-in system: COMBICON PC 4, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard

Your advantages

- Space-saving, standardized slip-on connection allows worldwide use
- Cable connection on the inside of the device enables flexible positioning of the panel feed-through

Commercial data

Item number	1861170
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AA04
Product key	AADWAA
Catalog page	Page 519 (C-1-2013)
GTIN	4017918125691
Weight per piece (including packing)	10.389 g
Weight per piece (excluding packing)	9.073 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Type	Feed-through header
Product line	COMBICON Connectors L
Product type	Feed-through header
Product family	DFK-PC 4/...-G -FS4,8
Number of positions	4
Pitch	7.62 mm
Number of connections	4
Number of rows	1
Mounting flange	without
Number of potentials	4
Solder pins per potential	1

Electrical properties

Nominal current I_N	15 A
Nominal voltage U_N	400 V
Degree of pollution	3
Rated voltage (III/3)	400 V
Rated surge voltage (III/3)	6 kV
Rated voltage (III/2)	400 V
Rated surge voltage (III/2)	6 kV
Rated voltage (II/2)	800 V
Rated surge voltage (II/2)	6 kV

Mounting

Mounting type	Direct mounting
Connection method	Solder/Slip-on connection

Material specifications

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Tin-plated
Metal surface contact area (top layer)	Tin (5 - 10 μm Sn)
Metal surface contact area (middle layer)	Nickel (2 - 5 μm Ni)
Metal surface soldering area (top layer)	Tin (5 - 7 μm Sn)
Metal surface soldering area (middle layer)	Nickel (2 - 3 μm Ni)

Material data - housing

Color (Housing)	green (6021)
Insulating material	PA

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Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V2

Notes

Notes on operation	In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load.
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Dimensions

Dimensional drawing	
Pitch	7.62 mm
Width [w]	45.7 mm
Height [h]	14.3 mm
Length [l]	37.35 mm

Electrical tests

Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Insulating material group	I
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	400 V
Rated surge voltage (III/3)	6 kV
minimum clearance value - non-homogenous field (III/3)	5.5 mm
minimum creepage distance (III/3)	5.5 mm
Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	6 kV
minimum clearance value - non-homogenous field (III/2)	5.5 mm
minimum creepage distance (III/2)	5.5 mm
Rated insulation voltage (II/2)	800 V
Rated surge voltage (II/2)	6 kV
minimum clearance value - non-homogenous field (II/2)	5.5 mm
minimum creepage distance (II/2)	5.5 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relative humidity (storage/transport)	30 % ... 70 %

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Ambient temperature (assembly)	-5 °C ... 100 °C
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Packaging specifications

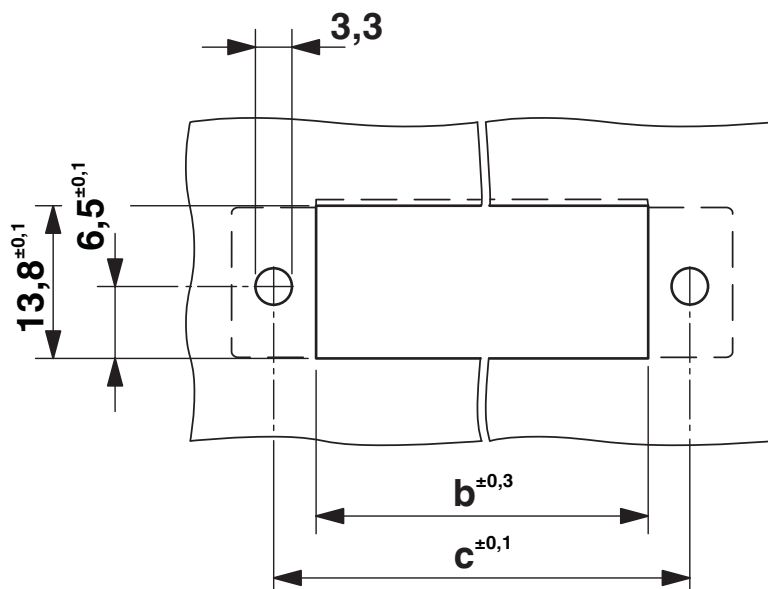
Type of packaging	packed in cardboard
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Packaging specifications

Type of packaging	packed in cardboard
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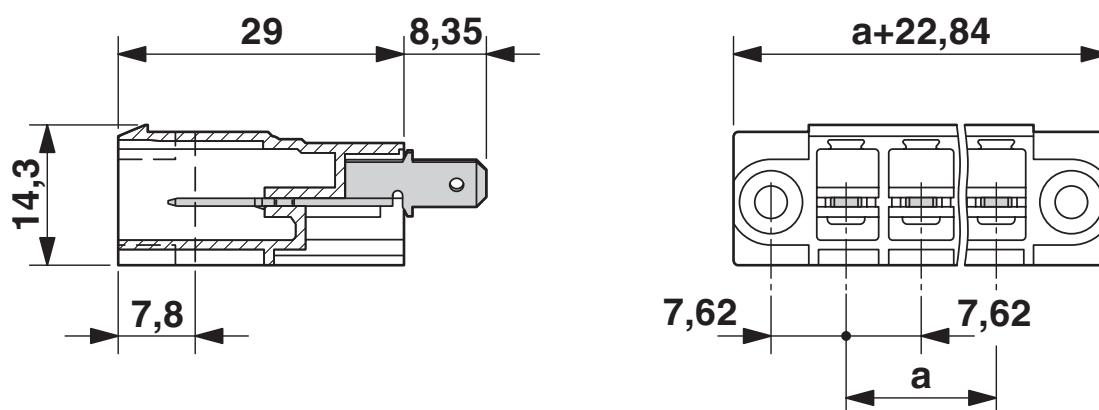
Drawings

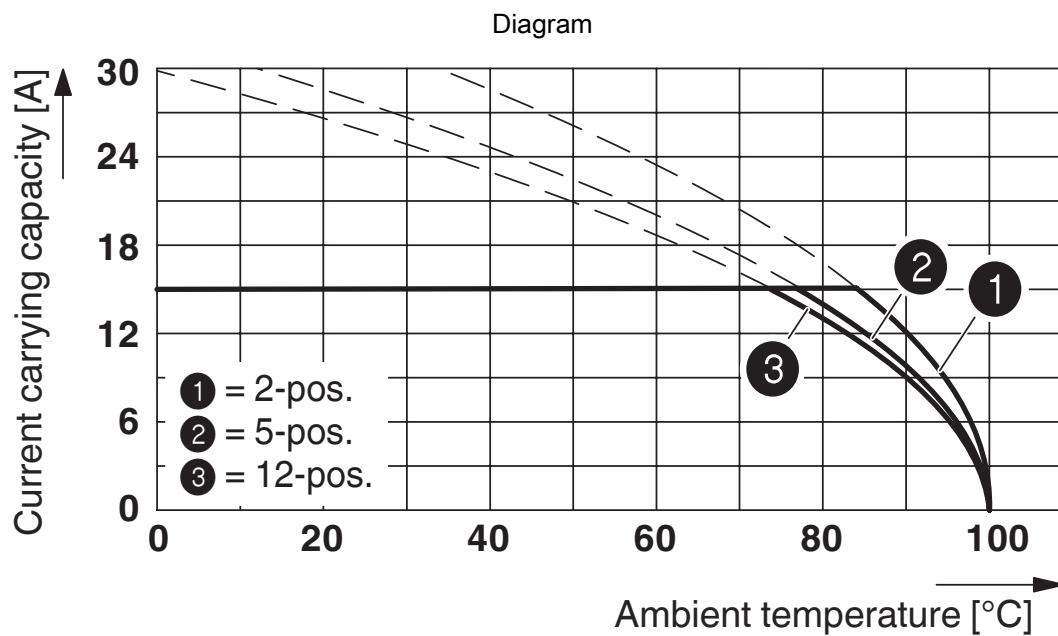
Dimensional drawing



Dimension b = 30.43 mm; dimension c = 38.10 mm

Dimensional drawing





Derating curve for: PC 4/...-ST-7,62 with DFK-PC 4/...-G-7,62-FS4,8

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1861170>

 cULus Recognized Approval ID: E60425-19920722				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
For 600 V applications, additional insulation is required on the solder pins	300 V	20 A	-	-
Use group C				
For 600 V applications, additional insulation is required on the solder pins	300 V	20 A	-	-

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	20 A	-	-
Use group C				
	300 V	20 A	-	-

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Classifications

ECLASS

ECLASS-11.0	27460201
ECLASS-12.0	27460201
ECLASS-13.0	27460201

ETIM

ETIM 9.0	EC002637
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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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com