Printed-circuit board connector - BCP-381-20 GN - 5448048

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

The figure shows a 5-pos. version of the product in gray

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Connection method: Screw connection, Color: pastel green, Contact surface: Tin

Key commercial data

Packing unit	1 pc
Minimum order quantity	100 pc
Custom tariff number	85366990
Country of origin	China

Technical data

Dimensions

Height	11.1 mm
Pitch	3.81 mm
Dimension a	72.39 mm

General

Range of articles	BCP
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A

Printed-circuit board connector - BCP-381-20 GN - 5448048

Technical data

General

Nominal cross section	1.5 mm²
Maximum load current	8 A (with 1.5 mm² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	20
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	1.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	0.5 mm²
2 conductors with same cross section, stranded min.	0.25 mm²
2 conductors with same cross section, stranded max.	0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm²

Classifications

eCl@ss

eCl@ss 4.0	272607xx

Printed-circuit board connector - BCP-381-20 GN - 5448048

Classifications

eCl@ss

eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121409
UNSPSC 13.2	39121432

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - BCP-381-20 GN - 5448048

Approvals

UL Recognized

	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	250 V	300 V

cUL Recognized

	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	250 V	300 V

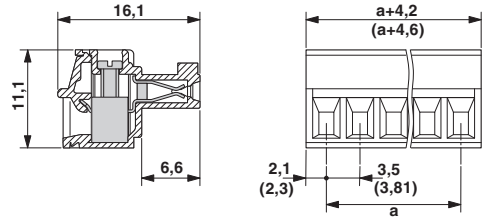
VDE Gutachten mit Fertigungsüberwachung

mm²/AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

cULus Recognized

Drawings

Dimensioned drawing



Diagram