

COMBI receptacle - PPC 6/1-L BU



3000691

<https://www.phoenixcontact.com/de/produkte/3000691>

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 documentation. Our General Terms of Use for Downloads are valid.



COMBI receptacle, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in connection, 1 level, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², color: blue

Your advantages

- For secure and space-saving accommodation of plug-in contacts in cable ducts and distributor shafts
- The Push-in technology COMBI couplings for self-assembly provide solutions that users can implement themselves
- Tested for railway applications

Commercial Data

Item number	3000691
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE2245
Catalog Page	Page 350 (C-1-2019)
GTIN	4046356751803
Weight per Piece (including packing)	8 g
Weight per Piece (excluding packing)	8 g
Customs tariff number	85366990
Country of origin	PL

COMBI receptacle - PPC 6/1-L BU



3000691

<https://www.phoenixcontact.com/de/produkte/3000691>

Technical Data

Product properties

Product type	Terminal coupling
Number of positions	1
Pitch	8.2 mm
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Nominal cross section	6 mm ²
-----------------------	-------------------

1 level

Stripping length	12 mm
Internal cylindrical gage	A5
Conductor cross section solid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Nominal current	41 A
Maximum load current	41 A (with 6 mm ² conductor cross section)
Nominal voltage	1000 V
Nominal cross section	6 mm ²

1 level Connection cross sections directly pluggable

Conductor cross section solid	1 mm ² ... 10 mm ²
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	1 mm ² ... 6 mm ²

COMBI receptacle - PPC 6/1-L BU



3000691

<https://www.phoenixcontact.com/de/produkte/3000691>

sleeve)	
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm ² ... 6 mm ²

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Height	24.7 mm
Length	47 mm
Pitch	8.2 mm

Material specifications

Color	blue
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))	125 °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)	27,5 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

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Environmental and real-life conditions

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
----------------------------------	-----------

COMBI receptacle - PPC 6/1-L BU

3000691

<https://www.phoenixcontact.com/de/produkte/3000691>



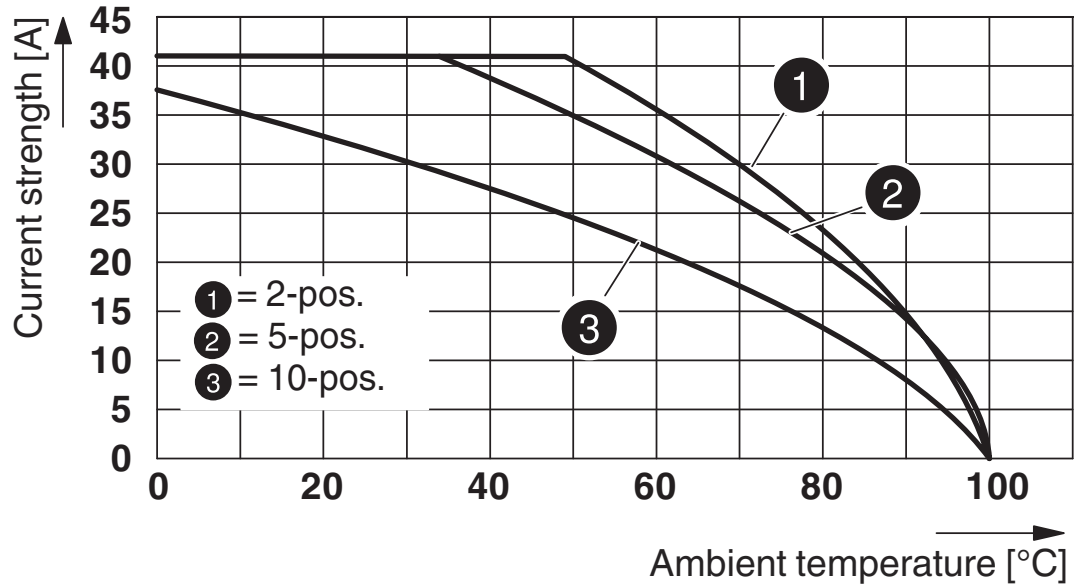
Mounting

Assembly instructions

Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly

Drawings

Diagram



Circuit diagram



COMBI receptacle - PPC 6/1-L BU



3000691

<https://www.phoenixcontact.com/de/produkte/3000691>

Approvals

DNV

Approval ID: TAE000015D



CSA

Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	36 A	20 - 8	-
Use group C				
	600 V	36 A	20 - 8	-



IECEE CB Scheme

Approval ID: DE1-64372_B1_B2

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	1000 V		-	-



EAC

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



cULus Recognized

Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	40 A	20 - 8	-
Use group C				
	600 V	40 A	20 - 8	-



VDE Zeichengenehmigung

Approval ID: 40043445

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	1000 V		-	0.5 - 6

COMBI receptacle - PPC 6/1-L BU



3000691

<https://www.phoenixcontact.com/de/produkte/3000691>

Classifications

ECLASS

ECLASS-9.0	27141151
ECLASS-10.0.1	27141151
ECLASS-11.0	27141151

ETIM

ETIM 8.0	EC002021
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

COMBI receptacle - PPC 6/1-L BU



3000691

<https://www.phoenixcontact.com/de/produkte/3000691>

Environmental Product Compliance

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

Phoenix Contact 2022 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH
Flachmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de