

PPC 1,5/S-NS/18 - COMBI coupling



3061981

<https://www.phoenixcontact.com/us/products/3061981>

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 coupling, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 18, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/15, NS 35/7,5, color: gray

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	3061981
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2245
GTIN	4046356670920
Weight per piece (including packing)	29.71 g
Weight per piece (excluding packing)	29.71 g
Customs tariff number	85366990
Country of origin	PL

PPC 1,5/S-NS/18 - COMBI coupling



3061981

<https://www.phoenixcontact.com/us/products/3061981>

Technical data

Product properties

Product type	Terminal coupling
Area of application	Railway industry
	Machine building
	Plant engineering
Number of positions	18
Pitch	3.5 mm
Number of connections	1
Number of rows	1
Type	other
Potentials	18

Data management status

Article revision	03
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Nominal cross section	1.5 mm ²
-----------------------	---------------------

1 level

Stripping length	8 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 1 mm ²
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm ²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	0.25 mm ² ... 1.5 mm ²
-------------------------------	--

PPC 1,5/S-NS/18 - COMBI coupling



3061981

<https://www.phoenixcontact.com/us/products/3061981>

Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 1 mm ²

Dimensions

Width	63 mm
End cover width	2.2 mm
Height	43 mm
Depth	17.8 mm
Depth on NS 15	28.3 mm
Depth on NS 35/7,5	28.3 mm
Depth on NS 35/15	35.8 mm
Pitch	3.5 mm

Material specifications

Color	gray (RAL 7042)
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

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

PPC 1,5/S-NS/18 - COMBI coupling



3061981

<https://www.phoenixcontact.com/us/products/3061981>

Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

Mounting

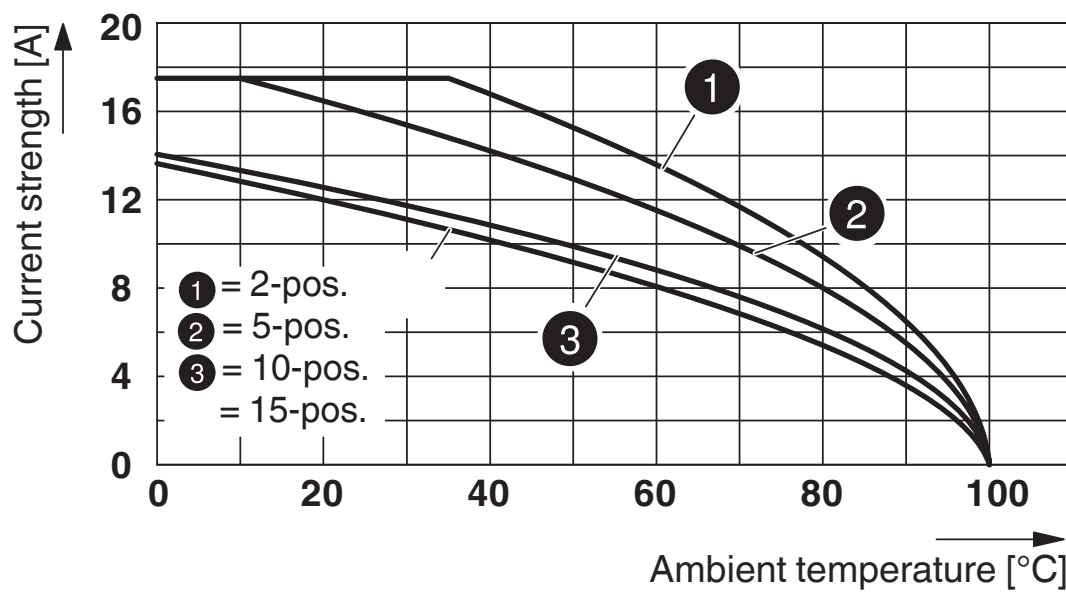
Mounting type	NS 35/15
	NS 35/7,5

Drawings

Circuit diagram



Diagram



PPC 1,5/S-NS/18 - COMBI coupling



3061981

<https://www.phoenixcontact.com/us/products/3061981>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3061981>



EAC

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

PPC 1,5/S-NS/18 - COMBI coupling



3061981

<https://www.phoenixcontact.com/us/products/3061981>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250117

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

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

PPC 1,5/S-NS/18 - COMBI coupling



3061981
<https://www.phoenixcontact.com/us/products/3061981>

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%

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

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