

COMBI receptacle - PPC 6-NS/1-L - 3000689

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>)




COMBI receptacle, Connection method: Push-in / plug connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Color: gray, Mounting type: NS 35/15, NS 35/7,5

Why buy this product

- 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



Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 751827
Weight per Piece (excluding packing)	9.19 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
	Mechanical engineering
	Plant engineering
Maximum load current	41 A (with 6 mm ² conductor cross section)
Rated surge voltage	8 kV

COMBI receptacle - PPC 6-NS/1-L - 3000689

Technical data

General

Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Maximum load current	41 A (with 6 mm ² conductor cross section)
Nominal current I _N	41 A
Nominal voltage U _N	1000 V
Maximum load current	41 A (with 6 mm ² conductor cross section)
Open side panel	ja
Number of positions	1
Insertion/withdrawal cycles mechanical	100
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	4.26 kV
Result of power-frequency withstand voltage test	Test passed
Tight fit on carrier	NS 35
Setpoint	5 N
Result of tight fit test	Test passed
Conductor cross section short circuit testing	6 mm ²
Short-time current	0.72 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	0.964 (m/s ²) ² /Hz
Acceleration	0.58 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C

COMBI receptacle - PPC 6-NS/1-L - 3000689

Technical data

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Length	27 mm
Height NS 35/7,5	38 mm
Height NS 35/15	45.5 mm
Height NS 15	38 mm

Connection data

Connection in acc. with standard	IEC 61984
Connection method	Push-in / plug connection
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max.	8
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	6 mm ²
Min. AWG conductor cross section, stranded	20
Max. AWG conductor cross section, stranded	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Stripping length	12 mm
Internal cylindrical gage	A5

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27141151
eCl@ss 7.0	27141151

ETIM

ETIM 3.0	EC000897
----------	----------

COMBI receptacle - PPC 6-NS/1-L - 3000689

Classifications

ETIM

ETIM 4.0	EC002021
ETIM 5.0	EC002021

UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

Approvals

Approvals


Approvals


UL Recognized / cUL Recognized / CSA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 		
	B	C
mm ² /AWG/kcmil	20-8	20-8
Nominal current I _N	40 A	40 A
Nominal voltage U _N	600 V	600 V

cUL Recognized 		
	B	C
mm ² /AWG/kcmil	20-8	20-8
Nominal current I _N	40 A	40 A
Nominal voltage U _N	600 V	600 V

COMBI receptacle - PPC 6-NS/1-L - 3000689

Approvals

CSA			
	B	C	
	mm ² /AWG/kcmil	20-8	20-8
	Nominal current I _N	36 A	36 A
	Nominal voltage U _N	600 V	600 V

EAC

cULus Recognized

Accessories

Accessories

Coding element

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

End block

End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

End cover

End cover - D-PPC 6 - 3000703



End cover, Length: 47 mm, Width: 2.2 mm, Height: 24.7 mm, Color: gray

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

Labeled terminal marker

Zack Marker strip, flat - ZBF 8 CUS - 0825030



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

Zack Marker strip, flat - ZBF 8,LGS:FORTL.ZAHLEN - 0808804



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 101 - 110, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

Marker for terminal blocks - UC-TMF 8 CUS - 0824654



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 8 CUS - 0829672



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.4 x 4.7 mm

Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for easy planning of Phoenix Contact on DIN rails together with the integrated TRABTECH-select software module for planning comprehensive surge protection concepts.

Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multi-lingual software for terminal strip project planning. A marking module allows professional labeling of markers and labels for marking terminal blocks, conductors, cables and devices. The additionally integrated software module TRABTECH-select for planning comprehensive surge protection concepts.

Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

Marker for terminal blocks - UC-TMF 8 - 0818137



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 8 - 0828748



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.4 x 4.7 mm

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

Necessary add-on products

Plug - PP-H 6/ 1 - 3061541



Plug, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

Plug - PP-H 6/ 1 BU - 3061554



Plug, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: blue

Plug - PP-H 6/ 1 GNYE - 3061567



Plug, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: green-yellow

Plug - PP-H 6/10 - 3061651



Plug, Connection method: Push-in connection, Number of positions: 10, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 1-L - 3061664



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 1-L BU - 3061677



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: blue

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

Plug - PP-H 6/ 1-L GNYE - 3061680



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 1-M - 3061693



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 1-M BU - 3061703



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 1-M GNYE - 3061716



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 1-R - 3061729



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

Plug - PP-H 6/ 1-R BU - 3061732



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 1-R GNYE - 3061745



Plug, for self-assembly, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 2 - 3061570



Plug, Connection method: Push-in connection, Number of positions: 2, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 16.4 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 3 - 3061583



Plug, Connection method: Push-in connection, Number of positions: 3, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 24.6 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 4 - 3061596



Plug, Connection method: Push-in connection, Number of positions: 4, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 32.8 mm, Height: 49.3 mm, Color: gray

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

Plug - PP-H 6/ 5 - 3061606



Plug, Connection method: Push-in connection, Number of positions: 5, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 41 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 6 - 3061619



Plug, Connection method: Push-in connection, Number of positions: 6, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 49.2 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 7 - 3061622



Plug, Connection method: Push-in connection, Number of positions: 7, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 57.4 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 8 - 3061635



Plug, Connection method: Push-in connection, Number of positions: 8, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 65.6 mm, Height: 49.3 mm, Color: gray

Plug - PP-H 6/ 9 - 3061648



Plug, Connection method: Push-in connection, Number of positions: 9, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 73.8 mm, Height: 49.3 mm, Color: gray

COMBI receptacle - PPC 6-NS/1-L - 3000689

Accessories

COMBI receptacle - PPC 6/1-L - 3000690



COMBI receptacle, Connection method: Push-in / plug connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 24.7 mm, Color: gray

COMBI receptacle - PPC 6/1-L BU - 3000691



COMBI receptacle, Connection method: Push-in / plug connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 24.7 mm, Color: blue

COMBI receptacle - PPC 6/1-L GNYE - 3000692



COMBI receptacle, Connection method: Push-in / plug connection, Number of positions: 1, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 24.7 mm, Color: green/yellow

Drawings

Circuit diagram

