

COMBI receptacle - PPC 2,5/14 - 3000668

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COMBI receptacle, Connection method: Push-in connection, Number of connections: 14, Number of positions: 14, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 72.1 mm, Height: 41 mm, Color: gray

The figure shows a similar product

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

Key Commercial Data

Packing unit	1
GTIN	 4 046356 676830
GTIN	4046356676830
Custom tariff number	85366990

Technical data

General

Number of positions	14
Number of levels	1
Number of connections	14
Potentials	1
Nominal cross section	2.5 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Maximum load current	24 A (with a 2.5 mm ² conductor cross section)
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I

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Technical data

General

Maximum power dissipation for nominal condition	0.77 W
Ambient temperature (operation)	-60 °C ... 100 °C
Maximum load current	24 A (with a 2.5 mm ² conductor cross section)
Nominal current I _N	24 A
Nominal voltage U _N	500 V
Open side panel	Yes
Insertion/withdrawal cycles mechanical	100
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Short circuit stability result	Test passed
Conductor cross section short circuit testing	2.5 mm ²
Short-time current	0.3 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	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
Shock 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.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %

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Technical data

General

NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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

Dimensions

Width	72.1 mm
Length	20.5 mm
Height	41 mm
Pitch	5.2 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	2.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3

Standards and Regulations

Connection in acc. with standard	IEC 61984
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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Technical data

Environmental Product Compliance

	No hazardous substances above threshold values
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Drawings

Circuit diagram



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
eCl@ss 8.0	27141106
eCl@ss 9.0	27141106

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 5.0	EC001284
ETIM 6.0	EC001284

UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / CSA / cULus Recognized

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Approvals

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm²/AWG/kcmil	26-12	26-12	
Nominal current I _N	20 A	20 A	
Nominal voltage U _N	300 V	300 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm²/AWG/kcmil	26-12	26-12	
Nominal current I _N	20 A	20 A	
Nominal voltage U _N	300 V	300 V	

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	C	
mm²/AWG/kcmil	26-12	26-12	
Nominal current I _N	20 A	20 A	
Nominal voltage U _N	300 V	300 V	

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	
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Accessories

Accessories

Coding element

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Accessories

Coding star - PC - 3040588



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

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

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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 3,5 CUS - 0829394



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: 3.5 mm, Lettering field: 3.5 x 5.2 mm

Zack Marker strip, flat - ZBF 3,5,LGS:FORTL.ZAHLEN - 0801406



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 3.5 mm, Lettering field: 5.15 x 3.5 mm

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Accessories

Zack Marker strip, flat - ZBF 3,5,QR:FORTL.ZAHLEN - 0801407



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 3.5 mm, Lettering field: 5.15 x 3.5 mm

Marker for terminal blocks - UCT-TMF 3,5 CUS - 0829644



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: 3.5 mm, Lettering field: 2.7 x 4.7 mm

Mounting material

Panel feed-through - SSL 2,5 - 3043815



Panel feed-through, Width: 5.2 mm, Color: gray

Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Screwdriver - ST-BW - 1207608



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

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Accessories

Terminal marking

Zack Marker strip, flat - ZBF 3,5:UNBEDRUCKT - 0829392



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into flat marker groove, for terminal block width: 3.5 mm, Lettering field: 3.5 x 5.2 mm

Marker for terminal blocks - UCT-TMF 3,5 - 0829486



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 3.5 mm, Lettering field: 2.7 x 4.7 mm

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, Color: silver

Additional products

Plug - PP-H 2,5/ 1 - 3209866



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: gray

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Accessories

Plug - PP-H 2,5/ 1 BU - 3210017



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: blue

Plug - PP-H 2,5/ 1 GNYE - 3210020



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: green-yellow

Plug - PP-H 2,5/ 2 - 3209879



Plug, Connection method: Push-in connection, Number of connections: 2, Number of positions: 2, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 10.4 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 3 - 3209882



Plug, Connection method: Push-in connection, Number of connections: 3, Number of positions: 3, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 15.6 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 3 (1GNYE/2GY) - 3209883



Plug, Connection method: Push-in connection, Number of connections: 3, Number of positions: 3, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 15.6 mm, Height: 40.2 mm, Color: gray

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Accessories

Plug - PP-H 2,5/ 4 - 3209895



Plug, Connection method: Push-in connection, Number of connections: 4, Number of positions: 4, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 20.8 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 4 (1GNYE/3GY) - 3209896



Plug, Connection method: Push-in connection, Number of connections: 4, Number of positions: 4, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 20.8 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 5 - 3209905



Plug, Connection method: Push-in connection, Number of connections: 5, Number of positions: 5, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 26 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 6 - 3209918



Plug, Connection method: Push-in connection, Number of connections: 6, Number of positions: 6, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 31.2 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 7 - 3209921



Plug, Connection method: Push-in connection, Number of connections: 7, Number of positions: 7, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 36.4 mm, Height: 40.2 mm, Color: gray

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Accessories

Plug - PP-H 2,5/ 7 (1GNYE/6GY) - 3209922



Plug, Connection method: Push-in connection, Number of connections: 7, Number of positions: 7, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 36.4 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 8 - 3209934



Plug, Connection method: Push-in connection, Number of connections: 8, Number of positions: 8, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 41.6 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/ 9 - 3209947



Plug, Connection method: Push-in connection, Number of connections: 9, Number of positions: 9, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 46.8 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/1-L - 3210062



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/1-L BU - 3210075



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: blue

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Accessories

Plug - PP-H 2,5/1-L GNYE - 3210088



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: green-yellow

Plug - PP-H 2,5/1-L OG - 3061923



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 39 mm, Color: orange

Plug - PP-H 2,5/1-M - 3210091



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/1-M BU - 3210101



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: blue

Plug - PP-H 2,5/1-M GNYE - 3210114



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: green-yellow

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Accessories

Plug - PP-H 2,5/1-M OG - 3061936



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 39 mm, Color: orange

Plug - PP-H 2,5/1-R - 3210127



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/1-R BU - 3210130



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: blue

Plug - PP-H 2,5/1-R GNYE - 3210143



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 40.2 mm, Color: green-yellow

Plug - PP-H 2,5/1-R OG - 3061949



Plug, Connection method: Push-in connection, Number of connections: 1, Number of positions: 1, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 39 mm, Color: orange

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Accessories

Plug - PP-H 2,5/10 - 3209950



Plug, Connection method: Push-in connection, Number of connections: 10, Number of positions: 10, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 52 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/11 - 3209963



Plug, Connection method: Push-in connection, Number of connections: 11, Number of positions: 11, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 57.2 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/12 - 3209976



Plug, Connection method: Push-in connection, Number of connections: 12, Number of positions: 12, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 62.4 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/12 (1GNYE/11GY) - 3209977



Plug, Connection method: Push-in connection, Number of connections: 12, Number of positions: 12, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 62.4 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/13 - 3209989



Plug, Connection method: Push-in connection, Number of connections: 13, Number of positions: 13, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 67.6 mm, Height: 40.2 mm, Color: gray

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Accessories

Plug - PP-H 2,5/14 - 3209992



Plug, Connection method: Push-in connection, Number of connections: 14, Number of positions: 14, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 72.8 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/15 - 3210004



Plug, Connection method: Push-in connection, Number of connections: 15, Number of positions: 15, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 78 mm, Height: 40.2 mm, Color: gray

Plug - PP-H 2,5/20 - 3061884



Plug, Connection method: Push-in connection, Number of connections: 20, Number of positions: 20, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 104 mm, Height: 39 mm, Color: gray

Plug - PP-H 2,5/24 - 3061897



Plug, Connection method: Push-in connection, Number of connections: 24, Number of positions: 24, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 124.8 mm, Height: 39 mm, Color: gray

Panel feed-through - SSL 2,5 - 3043815



Panel feed-through, Width: 5.2 mm, Color: gray

