

COMBI receptacle - PPC 1,5/S/1-L - 3213357

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COMBI receptacle, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 17.8 mm, color: gray

Your advantages

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

RoHS

COMPLETE RoHS

Key Commercial Data

Packing unit	50 pc
GTIN	 4 046356 566087
GTIN	4046356566087

Technical data

General

Number of positions	1
Number of levels	1
Number of connections	1
Potentials	1
Nominal cross section	1.5 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Assembly instructions	Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly
Rated surge voltage	6 kV

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Technical data

General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.56 W
Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Nominal current I _N	17.5 A
Nominal voltage U _N	500 V
Open side panel	Yes
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
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)	28 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	3.5 mm
End cover width	2.2 mm
Length	27 mm
Height	17.8 mm
Pitch	3.5 mm

Connection data

Connection	1 level
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²

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Technical data

Connection data

Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm ²
Connection cross sections directly pluggable	0.25 mm ² 1.5 mm ²
Conductor cross section solid min.	0.25 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm ²
Internal cylindrical gage	A1 / B1

Standards and Regulations

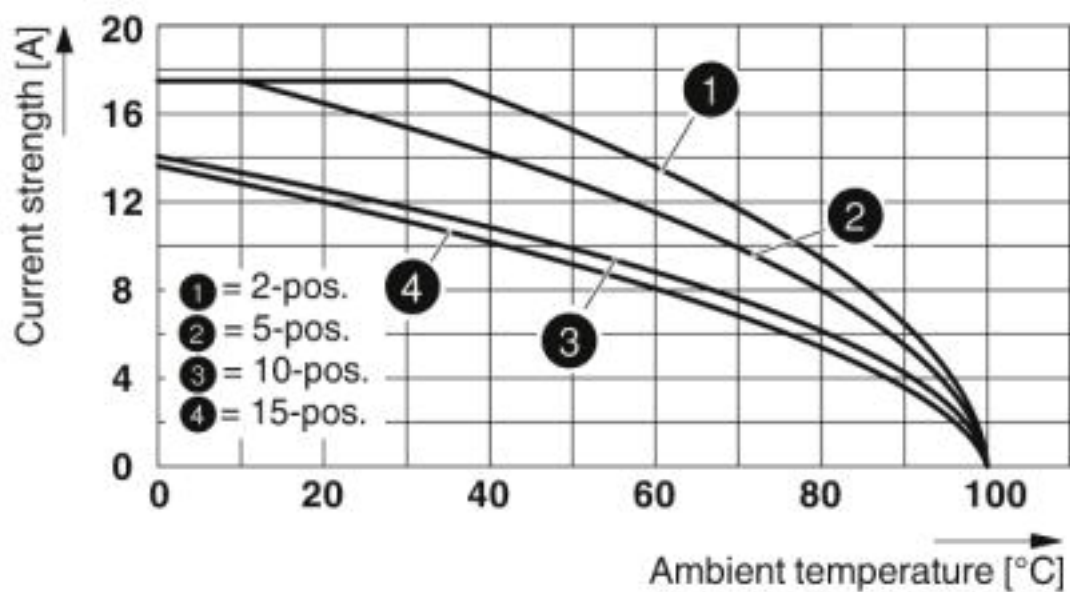
Connection in acc. with standard	CSA
	IEC 61984
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Diagram



COMBI receptacle - PPC 1,5/S/1-L - 3213357

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141151
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27141100
eCl@ss 7.0	27141151
eCl@ss 8.0	27141151
eCl@ss 9.0	27141151

ETIM

ETIM 4.0	EC002021
ETIM 5.0	EC002021
ETIM 6.0	EC002021
ETIM 7.0	EC002021

UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402
UNSPSC 18.0	39121402
UNSPSC 19.0	39121402
UNSPSC 20.0	39121402
UNSPSC 21.0	39121402

Approvals

Approvals

COMBI receptacle - PPC 1,5/S/1-L - 3213357

Approvals

Approvals

CSA / BV / LR / NK / UL Recognized / cUL Recognized / EAC / DNV GL / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	5 A
mm²/AWG/kcmil	26-14	26-14	26-14

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	39979/B0 BV
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LR		http://www.lr.org/en	12/20038 (E3)
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NK		http://www.classnk.or.jp/hp/en/	14ME0912
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	5 A
mm²/AWG/kcmil	26-14	26-14	26-14

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	D
Nominal voltage UN	300 V	300 V	600 V

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Approvals

	B	C	D
Nominal current I _N	15 A	15 A	5 A
mm ² /AWG/kcmil	26-14	26-14	26-14

EAC		RU C- DE.BL08.B.00511
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DNV GL		https://approvalfinder.dnvgl.com/	TAE00003JE
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cULus Recognized	
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Accessories

Accessories

Cable housing

Cable housing - PH 1,5/S/3 - 3212756



Cable housing, pitch: 10.5 mm, length: 19.9 mm, width: 10.5 mm, height: 36.8 mm, number of positions: 3, color: gray

Cable housing - PH 1,5/S/4 - 3212769



Cable housing, pitch: 14 mm, length: 19.9 mm, width: 14 mm, height: 36.8 mm, number of positions: 4, color: gray

Cable housing - PH 1,5/S/5 - 3212772



Cable housing, pitch: 17.5 mm, length: 19.9 mm, width: 17.5 mm, height: 36.8 mm, number of positions: 5, color: gray

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Accessories

Cable housing - PH 1,5/S/6 - 3212785



Cable housing, pitch: 21 mm, length: 19.9 mm, width: 21 mm, height: 36.8 mm, number of positions: 6, color: gray

Cable housing - PH 1,5/S/7 - 3212798



Cable housing, pitch: 24.5 mm, length: 19.9 mm, width: 24.5 mm, height: 36.8 mm, number of positions: 7, color: gray

Cable housing - PH 1,5/S/8 - 3212808



Cable housing, pitch: 28 mm, length: 19.9 mm, width: 28 mm, height: 36.8 mm, number of positions: 8, color: gray

Cable housing - PH 1,5/S/9 - 3212811



Cable housing, pitch: 31.5 mm, length: 19.9 mm, width: 31.5 mm, height: 36.8 mm, number of positions: 9, color: gray

Cable housing - PH 1,5/S/10 - 3212824



Cable housing, pitch: 35 mm, length: 19.9 mm, width: 35 mm, height: 36.8 mm, number of positions: 10, color: gray

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Accessories

Cable housing - PH 1,5/S/11 - 3212837



Cable housing, pitch: 38.5 mm, length: 19.9 mm, width: 38.5 mm, height: 36.8 mm, number of positions: 11, color: gray

Cable housing - PH 1,5/S/12 - 3212840



Cable housing, pitch: 42 mm, length: 19.9 mm, width: 42 mm, height: 36.8 mm, number of positions: 12, color: gray

Cable housing - PH 1,5/S/13 - 3212853



Cable housing, pitch: 45.5 mm, length: 19.9 mm, width: 45.5 mm, height: 36.8 mm, number of positions: 13, color: gray

Cable housing - PH 1,5/S/14 - 3212866



Cable housing, pitch: 49 mm, length: 19.9 mm, width: 49 mm, height: 36.8 mm, number of positions: 14, color: gray

Coding element

Coding star - PC - 3040588



Coding star, length: 3 mm, width: 3 mm, height: 6 mm, color: red

End cover

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Accessories

End cover - D-PPC 1,5/S - 3213690



End cover, length: 17.8 mm, width: 3 mm, height: 27 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



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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 size: 3.5 x 5.2 mm, Number of individual labels: 10

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 size: 5.15 x 3.5 mm, Number of individual labels: 10

COMBI receptacle - PPC 1,5/S/1-L - 3213357

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 size: 5.15 x 3.5 mm, Number of individual labels: 10

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 size: 2.7 x 4.7 mm, Number of individual labels: 108

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

Actuation tool - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

Terminal marking

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

COMBI receptacle - PPC 1,5/S/1-L - 3213357

Accessories

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



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

Additional products

Plug - PP-H 1,5/S/1 - 3212484



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/1 BU - 3212497



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

Plug - PP-H 1,5/S/1 GNYE - 3212507



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

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Accessories

Plug - PP-H 1,5/S/2 - 3212510



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 2, number of positions: 2, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 7 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/3 - 3212523



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 3, number of positions: 3, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 10.5 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/4 - 3212536



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 4, number of positions: 4, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 14 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/5 - 3212549



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 5, number of positions: 5, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 17.5 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/6 - 3212552



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 6, number of positions: 6, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 21 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

COMBI receptacle - PPC 1,5/S/1-L - 3213357

Accessories

Plug - PP-H 1,5/S/7 - 3212565



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 7, number of positions: 7, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 24.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/8 - 3212578



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 8, number of positions: 8, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 28 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/9 - 3212581



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 9, number of positions: 9, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 31.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/10 - 3212594



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 10, number of positions: 10, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 35 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/11 - 3212604



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 11, number of positions: 11, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 38.5 mm, height: 31.3 mm, color: gray

COMBI receptacle - PPC 1,5/S/1-L - 3213357

Accessories

Plug - PP-H 1,5/S/12 - 3212617



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 12, number of positions: 12, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 42 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/13 - 3212620



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 13, number of positions: 13, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 45.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/14 - 3212633



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 14, number of positions: 14, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 49 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/15 - 3212646



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 15, number of positions: 15, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 52.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/1-L - 3212659



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray

COMBI receptacle - PPC 1,5/S/1-L - 3213357

Accessories

Plug - PP-H 1,5/S/1-L BU - 3212662



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

Plug - PP-H 1,5/S/1-L GNYE - 3212675



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

Plug - PP-H 1,5/S/1-M - 3212688



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/1-M BU - 3212691



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

Plug - PP-H 1,5/S/1-M GNYE - 3212701



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

COMBI receptacle - PPC 1,5/S/1-L - 3213357

Accessories

Plug - PP-H 1,5/S/1-R - 3212714



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/1-R BU - 3212727



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

Plug - PP-H 1,5/S/1-R GNYE - 3212730



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

Strain relief - PZ 1,5/S/2 - 3212918



Strain relief, length: 44.5 mm, width: 6.8 mm, number of positions: 2, color: black

Latching - PRZ 1,5/S - 3212905



Latching, length: 59 mm, width: 6.8 mm, color: orange

COMBI receptacle - PPC 1,5/S/1-L - 3213357

Accessories

Latching - PR 1,5/S/2 - 3212895



Latching, length: 28.9 mm, width: 6.8 mm, number of positions: 2, color: orange

Latching - PR 1,5/S - 3212882



Latching, length: 28.9 mm, width: 3.3 mm, number of positions: 1, color: orange

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