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

3212714

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Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: gray

Product description

Connector element right, left housing with engagement pin, right closed with cover

Your advantages

- Large-surface labeling option
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves
- Tested for railway applications

Commercial data

Item number	3212714
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2244
Catalog page	Page 285 (C-1-2019)
GTIN	4046356565851
Weight per piece (including packing)	2.064 g
Weight per piece (excluding packing)	2.016 g
Customs tariff number	85366990
Country of origin	PL

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

3212714

https://www.phoenixcontact.com/us/products/3212714

Technical data

Product properties

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

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

Number of connections per level	1
Nominal cross section	1.5 mm²

1 level

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.14 mm² ... 1.5 mm²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 1.5 mm²
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 1.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 1 mm²
Nominal current	17.5 A (observe derating)
Maximum load current	17.5 A (with 1.5 mm² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	0.25 mm² ... 1.5 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² ... 1.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² ... 1 mm²

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

3212714

https://www.phoenixcontact.com/us/products/3212714

Dimensions

Width	3.5 mm
Height	16.5 mm
Depth	31.3 mm
Pitch	3.5 mm

Material specifications

Color	gray
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 %

Standards and regulations

Connection in acc. with standard	IEC 61984

Mounting

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

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

3212714

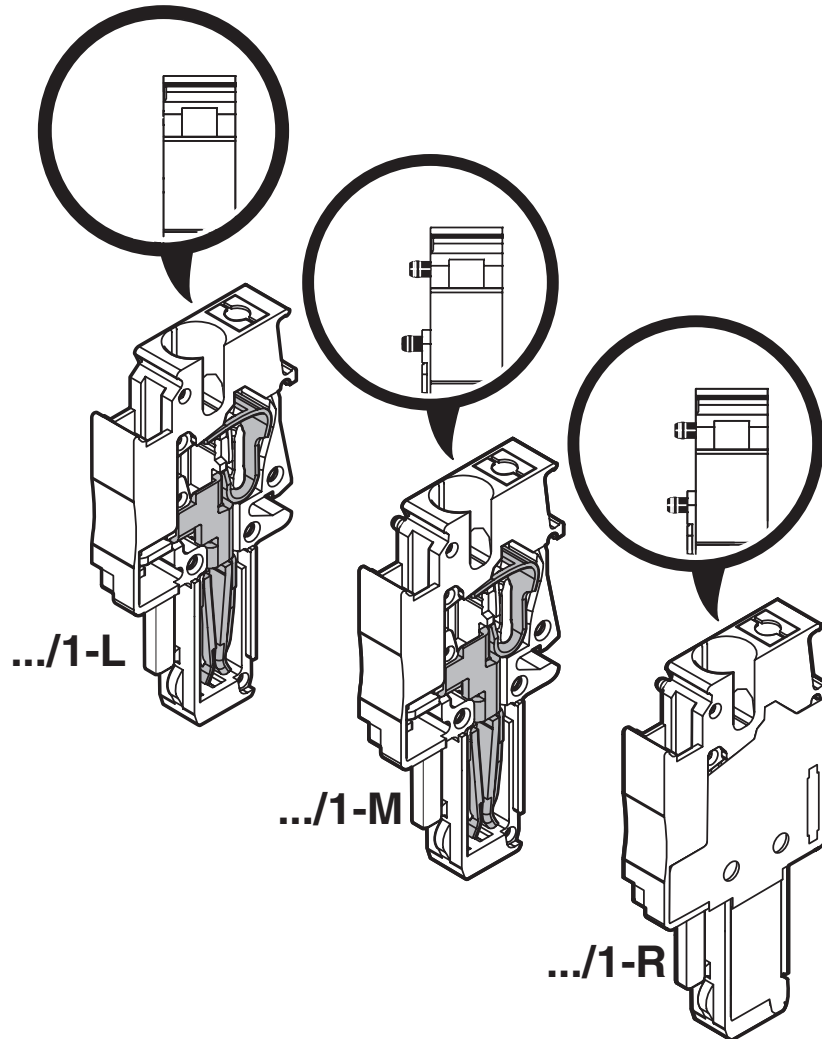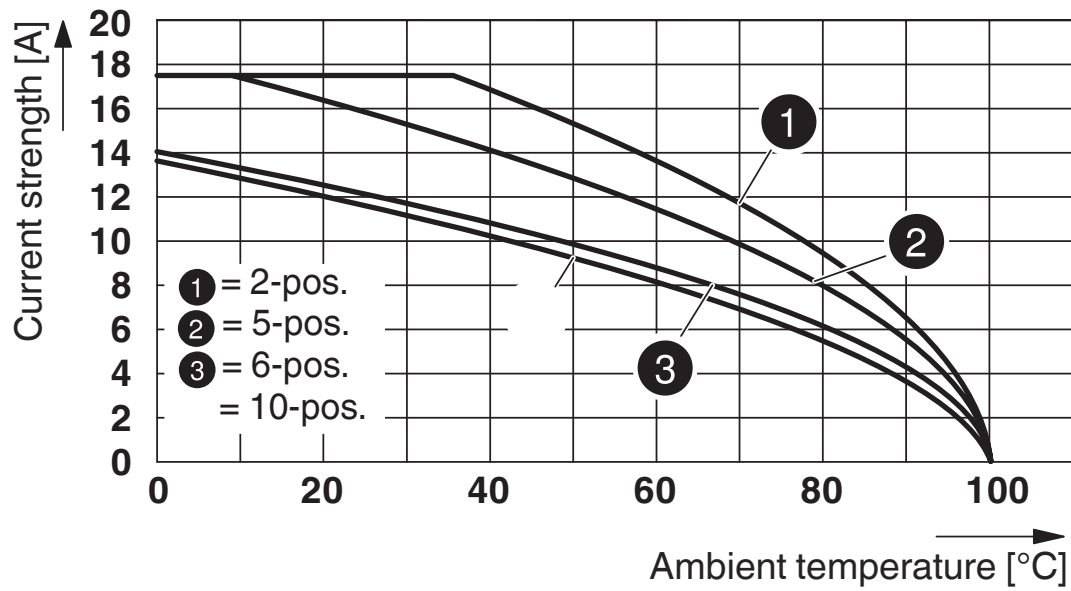https://www.phoenixcontact.com/us/products/3212714

Drawings

Schematic diagram

.../1-L

.../1-M

.../1-R

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

Diagram

Current strength [A] vs Ambient temperature [°C]

- ① = 2-pos.
- ② = 5-pos.
- ③ = 6-pos.
  = 10-pos.

Circuit diagram

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

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3212714

DNV
Approval ID: TAE00003JE

CSA
Approval ID: 2030668

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	15 A	26 - 14	-
Use group C				
	300 V	15 A	26 - 14	-
Use group D				
	600 V	5 A	26 - 14	-

IECEE CB Scheme
Approval ID: DE1-65179

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	-	-	0.14 - 1.5

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				
	300 V	15 A	26 - 14	-
Use group C				
	300 V	15 A	26 - 14	-
Use group D				
	600 V	5 A	26 - 14	-

LR
Approval ID: LR2371832TA

NK
Approval ID: 14ME0912

BV
Approval ID: 39979/B0 BV

VDE Gutachten mit Fertigungsüberwachung
Approval ID: 40034766

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	-	-	-

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

3212714

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Classifications

ECLASS

ECLASS-11.0	27141151
ECLASS-12.0	27141151
ECLASS-13.0	27250306

ETIM

ETIM 9.0	EC002021

UNSPSC

UNSPSC 21.0	39121400

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

3212714

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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%

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

3212714

https://www.phoenixcontact.com/us/products/3212714

Accessories

PR 1,5/S - Latching

3212882

https://www.phoenixcontact.com/us/products/3212882

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

PR 1,5/S/2 - Latching

3212895

https://www.phoenixcontact.com/us/products/3212895

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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

PRZ 1,5/S - Latching

3212905

https://www.phoenixcontact.com/us/products/3212905

Latching, length: 59 mm, color: orange

PH 1,5/S/3 - Cable housing

3212756

https://www.phoenixcontact.com/us/products/3212756

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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

PH 1,5/S/4 - Cable housing

3212769

https://www.phoenixcontact.com/us/products/3212769

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

PH 1,5/S/5 - Cable housing

3212772

https://www.phoenixcontact.com/us/products/3212772

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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

PH 1,5/S/6 - Cable housing

3212785

https://www.phoenixcontact.com/us/products/3212785

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

PH 1,5/S/7 - Cable housing

3212798

https://www.phoenixcontact.com/us/products/3212798

Cable housing, pitch: 24.5 mm, depth: 36.8 mm, width: 24.5 mm, height: 19.9 mm, number of positions: 7, color: gray
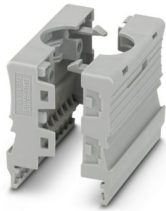
PP-H 1,5/S/1-R - Plug

3212714

https://www.phoenixcontact.com/us/products/3212714

PH 1,5/S/8 - Cable housing

3212808

https://www.phoenixcontact.com/us/products/3212808

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

PH 1,5/S/9 - Cable housing

3212811

https://www.phoenixcontact.com/us/products/3212811

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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

PH 1,5/S/10 - Cable housing

3212824

https://www.phoenixcontact.com/us/products/3212824

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

PH 1,5/S/11 - Cable housing

3212837

https://www.phoenixcontact.com/us/products/3212837

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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

PH 1,5/S/12 - Cable housing

3212840

https://www.phoenixcontact.com/us/products/3212840

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

PH 1,5/S/13 - Cable housing

3212853

https://www.phoenixcontact.com/us/products/3212853

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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

PH 1,5/S/14 - Cable housing

3212866

https://www.phoenixcontact.com/us/products/3212866

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

PH 1,5/S/15 - Cable housing

3212879

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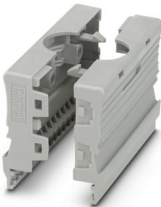
Cable housing, pitch: 52.5 mm, depth: 36.8 mm, width: 52.5 mm, height: 19.9 mm, number of positions: 15, color: gray

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

3212714

https://www.phoenixcontact.com/us/products/3212714

AI-S 1 - 8 TQ - Ferrule

1200293

https://www.phoenixcontact.com/us/products/1200293

Ferrule, S-Slimline, sleeve length: 8 mm, color: turquoise

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

3212659

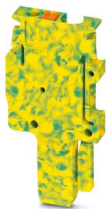https://www.phoenixcontact.com/us/products/3212659

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: gray

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

3212714

https://www.phoenixcontact.com/us/products/3212714

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

3212662

https://www.phoenixcontact.com/us/products/3212662

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: blue

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

3212675

https://www.phoenixcontact.com/us/products/3212675

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: green-yellow

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

3212714

https://www.phoenixcontact.com/us/products/3212714

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

3212696

https://www.phoenixcontact.com/us/products/3212696

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: red

PP-H 1,5/S/1-L/P-GN - Plug

1186132

https://www.phoenixcontact.com/us/products/1186132

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: gray

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

3212714

https://www.phoenixcontact.com/us/products/3212714

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

3212688

https://www.phoenixcontact.com/us/products/3212688

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: gray

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

3212694

https://www.phoenixcontact.com/us/products/3212694

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: gray

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

3212714

https://www.phoenixcontact.com/us/products/3212714

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

3212691

https://www.phoenixcontact.com/us/products/3212691

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: blue

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

3212701

https://www.phoenixcontact.com/us/products/3212701

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: green-yellow

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

3212714

https://www.phoenixcontact.com/us/products/3212714

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

3212692

https://www.phoenixcontact.com/us/products/3212692

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: red
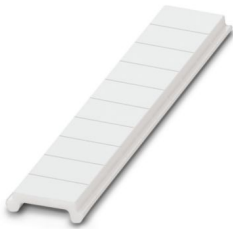
PP-H 1,5/S/1-M/P-GN - Plug

1186129

https://www.phoenixcontact.com/us/products/1186129

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, color: gray

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

3212714

https://www.phoenixcontact.com/us/products/3212714

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

0829392

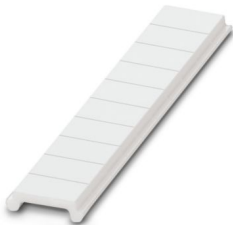https://www.phoenixcontact.com/us/products/0829392

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

ZBF 3,5 CUS - Zack Marker strip, flat

0829394

https://www.phoenixcontact.com/us/products/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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

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

0801406
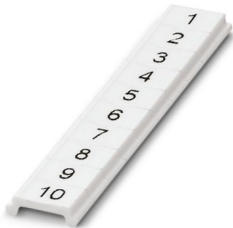
https://www.phoenixcontact.com/us/products/0801406

Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

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

0801407

https://www.phoenixcontact.com/us/products/0801407

Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

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

3212714

https://www.phoenixcontact.com/us/products/3212714

UCT-TMF 3,5 - Marker for terminal blocks

0829486

https://www.phoenixcontact.com/us/products/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: snapped, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

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

0829644

https://www.phoenixcontact.com/us/products/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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

MPS-MT - Test plug

0201744

https://www.phoenixcontact.com/us/products/0201744

Test plug, with solder connection up to 1 mm^2 conductor cross section, number of positions: 1, color: gray

MPS-IH WH - Insulating sleeve

0201663

https://www.phoenixcontact.com/us/products/0201663

Insulating sleeve, color: white

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

3212714

https://www.phoenixcontact.com/us/products/3212714

MPS-IH RD - Insulating sleeve

0201676

https://www.phoenixcontact.com/us/products/0201676

Insulating sleeve, color: red

MPS-IH BU - Insulating sleeve

0201689

https://www.phoenixcontact.com/us/products/0201689

Insulating sleeve, color: blue

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

3212714
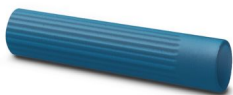
https://www.phoenixcontact.com/us/products/3212714

MPS-IH YE - Insulating sleeve

0201692

https://www.phoenixcontact.com/us/products/0201692

Insulating sleeve, color: yellow

MPS-IH GN - Insulating sleeve

0201702

https://www.phoenixcontact.com/us/products/0201702

Insulating sleeve, color: green

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

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https://www.phoenixcontact.com/us/products/3212714

MPS-IH GY - Insulating sleeve

0201728

https://www.phoenixcontact.com/us/products/0201728

Insulating sleeve, color: gray

MPS-IH BK - Insulating sleeve

0201731

https://www.phoenixcontact.com/us/products/0201731

Insulating sleeve, color: black

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

3212714

https://www.phoenixcontact.com/us/products/3212714

PZ 1,5/S/2 - Strain relief

3212918

https://www.phoenixcontact.com/us/products/3212918

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

SZF 0-0,4X2,5 - Screwdriver

1204504

https://www.phoenixcontact.com/us/products/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

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

3212714

https://www.phoenixcontact.com/us/products/3212714

ST-BW 0 - Actuation tool

1200135

https://www.phoenixcontact.com/us/products/1200135

Actuation tool, for all 1.5 mm^2 spring cages from PT 1,5/S and FT 1,5/S

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