

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



3212696

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

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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, Rated cross section: 1.5 mm², 1 level, cross section: 0.14 mm² - 1.5 mm², color: red

Product description

Connector element left, left housing without engagement pin, right opened without cover

Your advantages

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

Commercial data

Item number	3212696
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2244
GTIN	4055626082455
Weight per piece (including packing)	1.8 g
Weight per piece (excluding packing)	1.8 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Notes

Notes on operation	COMBI connectors are connectors without switching power in accordance with IEC 61984 and can be connected or disconnected without load or voltage when used as intended
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Product properties

Product type	Terminal plug
Area of application	Machine building
	Plant engineering
Number of positions	1
Pitch	3.5 mm
Number of connections	1
Number of rows	1
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 mm ²

1 level

Connection method	Push-in connection
Stripping length	8 mm ... 10 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 cross section	1.5 mm ²
Nominal current	17.5 A (observe derating)
Maximum load current	17.5 A (with 1.5 mm ² conductor cross-section)
Nominal voltage	500 V

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1 level Connection cross sections directly pluggable

Conductor cross-section rigid	0.25 mm ² ... 1.5 mm ²
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	3.5 mm
Height	16.5 mm
Depth	31.3 mm
Pitch	3.5 mm

Material specifications

Color	red (RAL 3001)
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))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

Mechanical properties

Mechanical data

Open side panel	Yes
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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, not exceeding 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
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Mounting

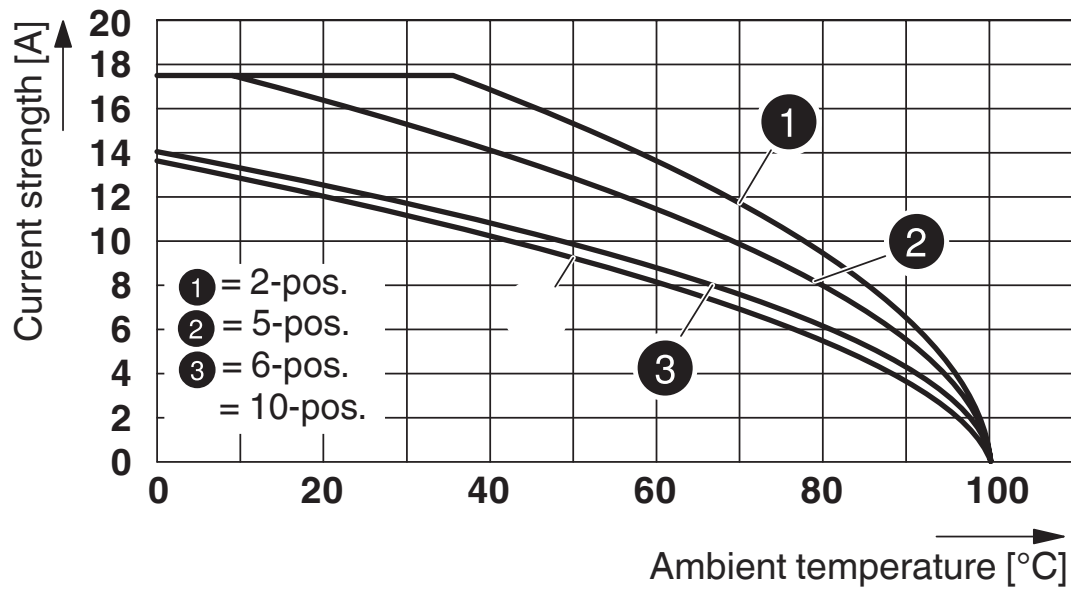
Assembly note	Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly
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Drawings

Schematic diagram



Diagram



Circuit diagram



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Approvals

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DNV

Approval ID: TAE000010T



IECEE CB Scheme

Approval ID: DE1-65179

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



LR

Approval ID: LR2371832TA



NK

Approval ID: 14ME0912



BV

Approval ID: 39979/B0 BV



VDE report with production monitoring

Approval ID: 40034766

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

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Classifications

ECLASS

ECLASS-13.0	27250306
ECLASS-15.0	27250306

ETIM

ETIM 10.0	EC002021
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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