PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

PHŒNIX CONTACT

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Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: gray

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	3061693
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE2244
Catalog page	Page 352 (C-1-2019)
GTIN	4046356650328
Weight per piece (including packing)	7.91 g
Weight per piece (excluding packing)	7.82 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Terminal plug
Number of positions	1
Pitch	8.2 mm
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	1
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	1
Nominal cross section	6 mm²

1 level

Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.5 mm² ... 10 mm²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 6 mm²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 6 mm²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm² ... 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 1.5 mm²
Nominal current	41 A
Maximum load current	41 A (with 6 mm² conductor cross section)
Nominal voltage	1000 V
Nominal cross section	6 mm²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	1 mm² ... 10 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm² ... 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm² ... 6 mm²

Dimensions

Width	8.2 mm
Height	21 mm
Depth	49.3 mm
Pitch	8.2 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	No

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

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Drawings

Circuit diagram

Schematic diagram

.../1-L

.../1-M

.../1-R

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Diagram

Current strength [A] (y-axis): 0, 5, 10, 15, 20, 25, 30, 35, 40, 45

Ambient temperature [°C] (x-axis): 0, 20, 40, 60, 80, 100

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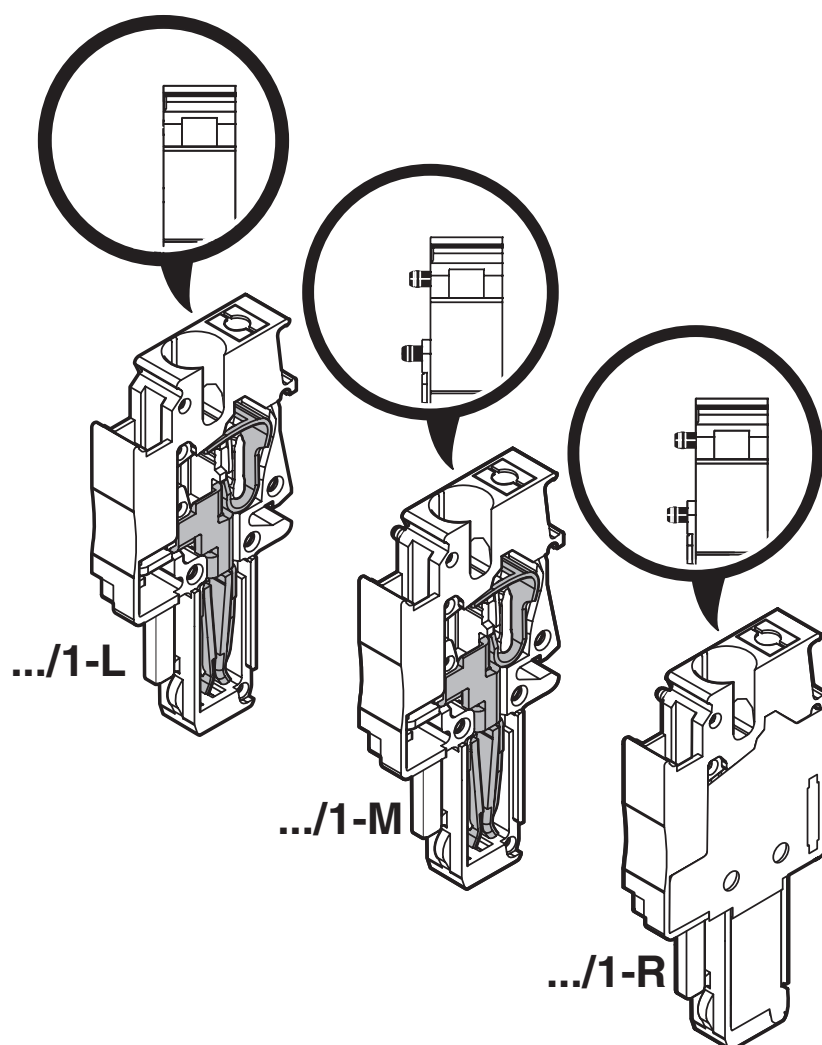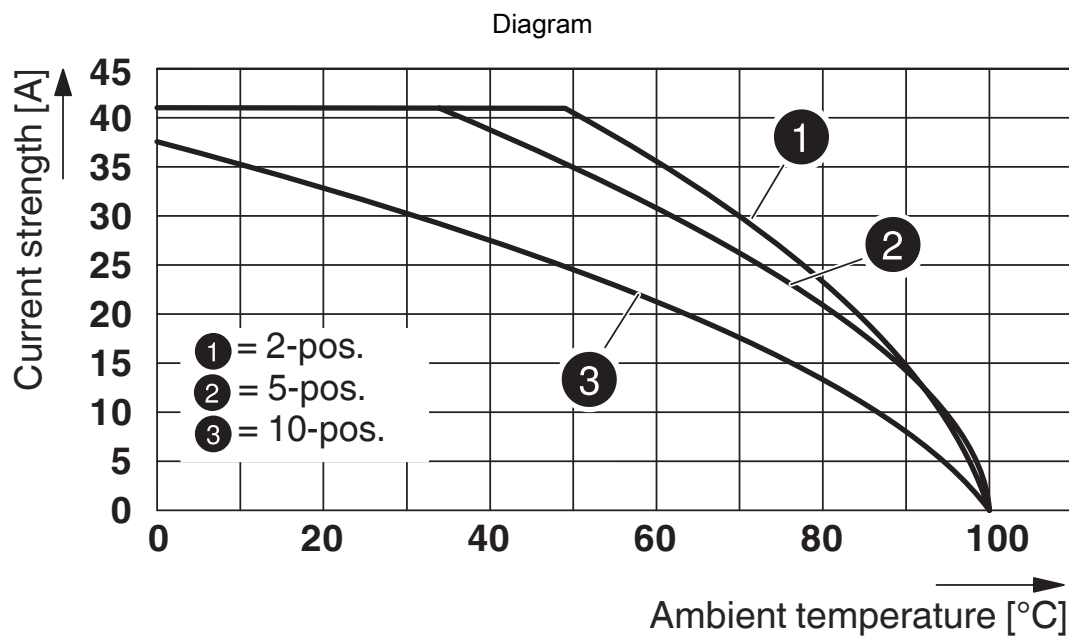
Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/il/products/3061693

CSA
Approval ID: 2030668

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	40 A	20 - 8	-
Use group C				
	600 V	40 A	20 - 8	-
Use group D				
	600 V	5 A	20 - 8	-

IECEE CB Scheme
Approval ID: DE1-64372_B1_B2

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	1000 V	-	-	-

EAC
Approval ID: RU C-DE.BL08.B.00511

VDE Zeichengenehmigung
Approval ID: 40043445

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	1000 V	-	-	0.5 - 6

cULus Recognized
Approval ID: E60425

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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

Environmental product compliance

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

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Accessories

PZ/2 - Strain relief

3040627

https://www.phoenixcontact.com/il/products/3040627

Strain relief, width: 9.3 mm, height: 48.7 mm, number of positions: 2, color: black

PRZ - Latching

3040614

https://www.phoenixcontact.com/il/products/3040614

Latching, number of positions: 2, length: 64 mm, color: orange

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PR - Latching

3040559

https://www.phoenixcontact.com/il/products/3040559

Latching, width: 4.4 mm, height: 29.8 mm, number of positions: 1, color: orange

PR/2 - Latching

3040630

https://www.phoenixcontact.com/il/products/3040630

Latching, width: 10 mm, height: 29.8 mm, number of positions: 2, color: orange

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PRT/2 - Latching

3040631

https://www.phoenixcontact.com/il/products/3040631
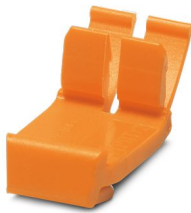

Latching, can only be released using a screwdriver, width: 9 mm, height: 23.2 mm, number of positions: 2, color: orange

PH 6/2 - Cable housing

3000680

https://www.phoenixcontact.com/il/products/3000680

Cable housing, pitch: 16.4 mm, depth: 52.3 mm, width: 16.4 mm, height: 21 mm, number of positions: 2, color: gray

PP-H 6/ 1-M - Plug

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https://www.phoenixcontact.com/il/products/3061693

PH 6/4 - Cable housing

3000682

https://www.phoenixcontact.com/il/products/3000682

Cable housing, pitch: 32.8 mm, depth: 52.3 mm, width: 32.8 mm, height: 21 mm, number of positions: 4, color: gray

PH 6/5 - Cable housing

3000683

https://www.phoenixcontact.com/il/products/3000683

Cable housing, pitch: 41 mm, depth: 52.3 mm, width: 41 mm, height: 21 mm, number of positions: 5, color: gray

PP-H 6/ 1-M - Plug

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https://www.phoenixcontact.com/il/products/3061693

PH 6/6 - Cable housing

3000684

https://www.phoenixcontact.com/il/products/3000684

Cable housing, pitch: 49.2 mm, depth: 52.3 mm, width: 49.2 mm, height: 21 mm, number of positions: 6, color: gray

HSH-METALL-6/8 - Shield connection

3000770

https://www.phoenixcontact.com/il/products/3000770

Shield connection, Suitable for PH 4/ and PH 6/ cable housings (pitches: 6 mm and 8 mm), material: Metal, color: silver/black

PP-H 6/ 1-M - Plug

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https://www.phoenixcontact.com/il/products/3061693

CPH 9-15 - Bend protection sleeve

3000768

https://www.phoenixcontact.com/il/products/3000768

Bend protection sleeve, for cable diameter of 9 mm ... 15 mm, diameter: 12 mm, color: black

PP-H 6/ 1-L - Plug

3061664

https://www.phoenixcontact.com/il/products/3061664

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: gray

PP-H 6/ 1-M - Plug

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https://www.phoenixcontact.com/il/products/3061693

PP-H 6/ 1-L BU - Plug

3061677

https://www.phoenixcontact.com/il/products/3061677

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: blue

PP-H 6/ 1-L GNYE - Plug

3061680

https://www.phoenixcontact.com/il/products/3061680

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: green/yellow

PP-H 6/ 1-M - Plug

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PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: gray

PP-H 6/ 1-M BU - Plug

3061703

https://www.phoenixcontact.com/il/products/3061703

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: blue

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

PP-H 6/ 1-M GNYE - Plug

3061716

https://www.phoenixcontact.com/il/products/3061716

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: green/yellow

PP-H 6/ 1-R - Plug

3061729

https://www.phoenixcontact.com/il/products/3061729

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: gray

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

PP-H 6/ 1-R BU - Plug

3061732

https://www.phoenixcontact.com/il/products/3061732

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: blue

PP-H 6/ 1-R GNYE - Plug

3061745

https://www.phoenixcontact.com/il/products/3061745

Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2, color: green/yellow

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

ZBF 8:UNBEDRUCKT - Zack Marker strip, flat

0808781

https://www.phoenixcontact.com/il/products/0808781

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

ZBF 8 CUS - Zack Marker strip, flat

0825030

https://www.phoenixcontact.com/il/products/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 size: 5.15 x 8.15 mm, Number of individual labels: 10

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

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

0808804

https://www.phoenixcontact.com/il/products/0808804

Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 101 ... 110, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

UC-TMF 8 - Marker for terminal blocks

0818137

https://www.phoenixcontact.com/il/products/0818137

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

UC-TMF 8 CUS - Marker for terminal blocks

0824654

https://www.phoenixcontact.com/il/products/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 size: 7.6 x 5.1 mm, Number of individual labels: 56

UCT-TMF 8 - Marker for terminal blocks

0828748

https://www.phoenixcontact.com/il/products/0828748

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: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

UCT-TMF 8 CUS - Marker for terminal blocks

0829672

https://www.phoenixcontact.com/il/products/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 size: 7.4 x 4.7 mm, Number of individual labels: 42

MPS-MT - Test plug

0201744

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

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

PP-H 6/ 1-M - Plug

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https://www.phoenixcontact.com/il/products/3061693

MPS-IH WH - Insulating sleeve

0201663

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

Insulating sleeve, color: white

MPS-IH RD - Insulating sleeve

0201676

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

Insulating sleeve, color: red

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

MPS-IH BU - Insulating sleeve

0201689

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

Insulating sleeve, color: blue
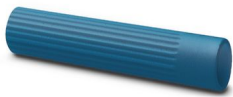
MPS-IH YE - Insulating sleeve

0201692

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

Insulating sleeve, color: yellow

PP-H 6/ 1-M - Plug

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https://www.phoenixcontact.com/il/products/3061693

MPS-IH GN - Insulating sleeve

0201702

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

Insulating sleeve, color: green

MPS-IH GY - Insulating sleeve

0201728

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

Insulating sleeve, color: gray

PP-H 6/ 1-M - Plug

3061693

https://www.phoenixcontact.com/il/products/3061693

MPS-IH BK - Insulating sleeve

0201731

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

Insulating sleeve, color: black

SZF 2-0,8X4,0 - Screwdriver

1204520

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