UP 4/ 1-L - Plug

3060021

https://www.phoenixcontact.com/us/products/3060021

PHŒNIX CONTACT

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Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: gray

Product description

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

Your advantages

• The COMBI plugs for self-assembly provide solutions that users can implement themselves

• The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

• The plugs are assembled directly on site by snapping together 1-position plug elements

• The plug design enables space-saving potential distribution by using four-conductor terminal blocks with two slots

Commercial data

Item number	3060021
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1144
Catalog page	Page 336 (C-1-2019)
GTIN	4046356088343
Weight per piece (including packing)	4.9 g
Weight per piece (excluding packing)	4.863 g
Customs tariff number	85366990
Country of origin	TR

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Technical data

Product properties

Product type	Terminal plug
Number of positions	1
Pitch	6.2 mm
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV

Connection data

Nominal cross section	4 mm²
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.2 mm² ... 6 mm²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² ... 6 mm²
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² ... 4 mm²
2 conductors with same cross section, solid	0.2 mm² ... 1.5 mm²
2 conductors with same cross section, flexible	0.2 mm² ... 1.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 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	32 A
Maximum load current	32 A (with 6 mm² conductor cross section)
Nominal voltage	800 V
Nominal cross section	4 mm²

Dimensions

Width	6.2 mm
Height	21 mm
Depth	41.2 mm
Length	21 mm
Pitch	6.2 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))	125 °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)	27,5 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

Environmental and real-life conditions

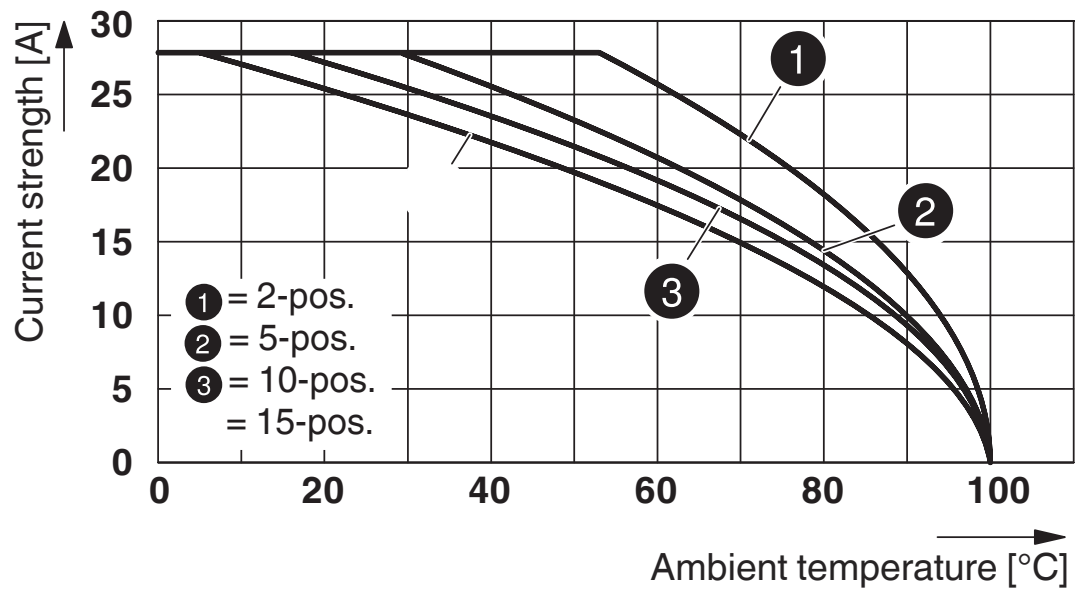### Ambient conditions

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

Drawings

Diagram

1 = 2-pos.
2 = 5-pos.
3 = 10-pos.
= 15-pos.

Circuit diagram

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Schematic diagram

.../1-L

.../1-M

.../1-R

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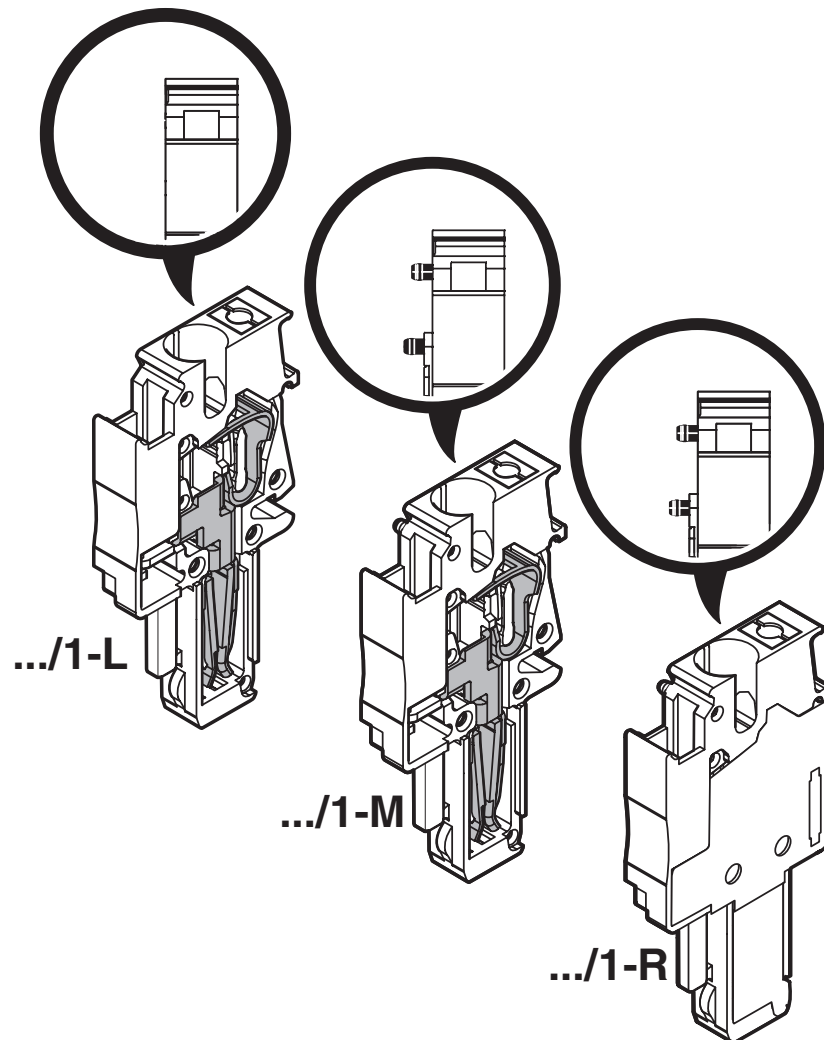
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Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3060021

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	30 A	26 - 10	-
Use group C				
	600 V	30 A	26 - 10	-

IECEE CB Scheme
Approval ID: NL-34722_A1

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	800 V	32 A	-	-

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				
	600 V	30 A	26 - 10	-
Multi-conductor connection	600 V	30 A	26 - 14	-
Use group C				
	600 V	30 A	26 - 10	-
Multi-conductor connection	600 V	30 A	26 - 14	-

KEMA-KEUR
Approval ID: 71-114072 REV.1

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	800 V	32 A	-	-

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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

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%

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Accessories

PRZ - Latching

3040614

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

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

PR - Latching

3040559

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

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PR/2 - Latching

3040630

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

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

PRT/2 - Latching

3040631

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

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

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PZ/2 - Strain relief

3040627

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

DF-UP 4 - Flange cover

3060348

https://www.phoenixcontact.com/us/products/3060348

Flange cover, snap onto the UP 4/... plugs, connection method: Screw connection, depth: 24.7 mm, width: 4.5 mm, height: 47 mm, color: gray

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UP 4/ 1-M - Plug

3060050

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Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: gray

UP 4/ 1-M BU - Plug

3060063

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Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: blue

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UP 4/ 1-M GNYE - Plug

3060076

https://www.phoenixcontact.com/us/products/3060076

Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: green-yellow

UP 4/ 1-R - Plug

3060089

https://www.phoenixcontact.com/us/products/3060089

Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: gray

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UP 4/ 1-R BU - Plug

3060092

https://www.phoenixcontact.com/us/products/3060092

Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: blue

UP 4/ 1-R GNYE - Plug

3060102

https://www.phoenixcontact.com/us/products/3060102

Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: green-yellow

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ZBF 6:UNBEDRUCKT - Zack Marker strip, flat

0808710

https://www.phoenixcontact.com/us/products/0808710

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBF 6 CUS - Zack Marker strip, flat

0825027

https://www.phoenixcontact.com/us/products/0825027

Zack Marker strip, flat, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

UP 4/ 1-L - Plug

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UC-TMF 6 - Marker for terminal blocks

0818140

https://www.phoenixcontact.com/us/products/0818140

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: 6.2 mm, lettering field size: 5.6 x 5.1 mm, Number of individual labels: 80

UC-TMF 6 CUS - Marker for terminal blocks

0824646

https://www.phoenixcontact.com/us/products/0824646

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: 6.2 mm, lettering field size: 5.6 x 5.1 mm, Number of individual labels: 80

UP 4/ 1-L - Plug

3060021

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UCT-TMF 6 - Marker for terminal blocks

0828746

https://www.phoenixcontact.com/us/products/0828746

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: 6.2 mm, lettering field size: 5.4 x 4.7 mm, Number of individual labels: 60

UCT-TMF 6 CUS - Marker for terminal blocks

0829665

https://www.phoenixcontact.com/us/products/0829665

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: 6.2 mm, lettering field size: 5.4 x 4.7 mm, Number of individual labels: 60

UP 4/ 1-L - Plug

3060021

https://www.phoenixcontact.com/us/products/3060021

ZBF 6,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808749

https://www.phoenixcontact.com/us/products/0808749

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: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBF 6,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808765

https://www.phoenixcontact.com/us/products/0808765

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: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBF 6,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810834

https://www.phoenixcontact.com/us/products/0810834

Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBF 6,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810876

https://www.phoenixcontact.com/us/products/0810876

Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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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

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https://www.phoenixcontact.com/us/products/3060021

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

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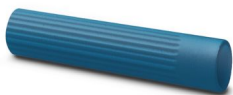
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MPS-IH YE - Insulating sleeve

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

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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

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SZS 0,6X3,5 - Screwdriver

1205053

https://www.phoenixcontact.com/us/products/1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

SF-SL 0,6X3,5-100 S-VDE - Screwdriver

1212587

https://www.phoenixcontact.com/us/products/1212587

Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip