UPBV 4/ 1 BU - Plug

3045266

https://www.phoenixcontact.com/us/products/3045266

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: 0.14 mm^2- 6 mm^2, color: blue

Your advantages

- Can be bridged with FBS ... standard bridges
- Connector with lateral conductor connection direction
- The connected conductors can be led directly into the cable duct to save space

Commercial data

Item number	3045266
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1144
Catalog page	Page 335 (C-1-2019)
GTIN	4046356113335
Weight per piece (including packing)	6.601 g
Weight per piece (excluding packing)	6.601 g
Customs tariff number	85366990
Country of origin	TR

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	0.14 mm² ... 6 mm²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 6 mm²
Conductor cross section, flexible [AWG]	26 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 4 mm²
2 conductors with same cross section, solid	0.14 mm² ... 1.5 mm²
2 conductors with same cross section, flexible	0.14 mm² ... 1.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.14 mm² ... 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 1 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	22 mm
Depth	48.5 mm
Length	22 mm
Pitch	6.2 mm

Material specifications

Color	blue
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

Environmental and real-life conditions
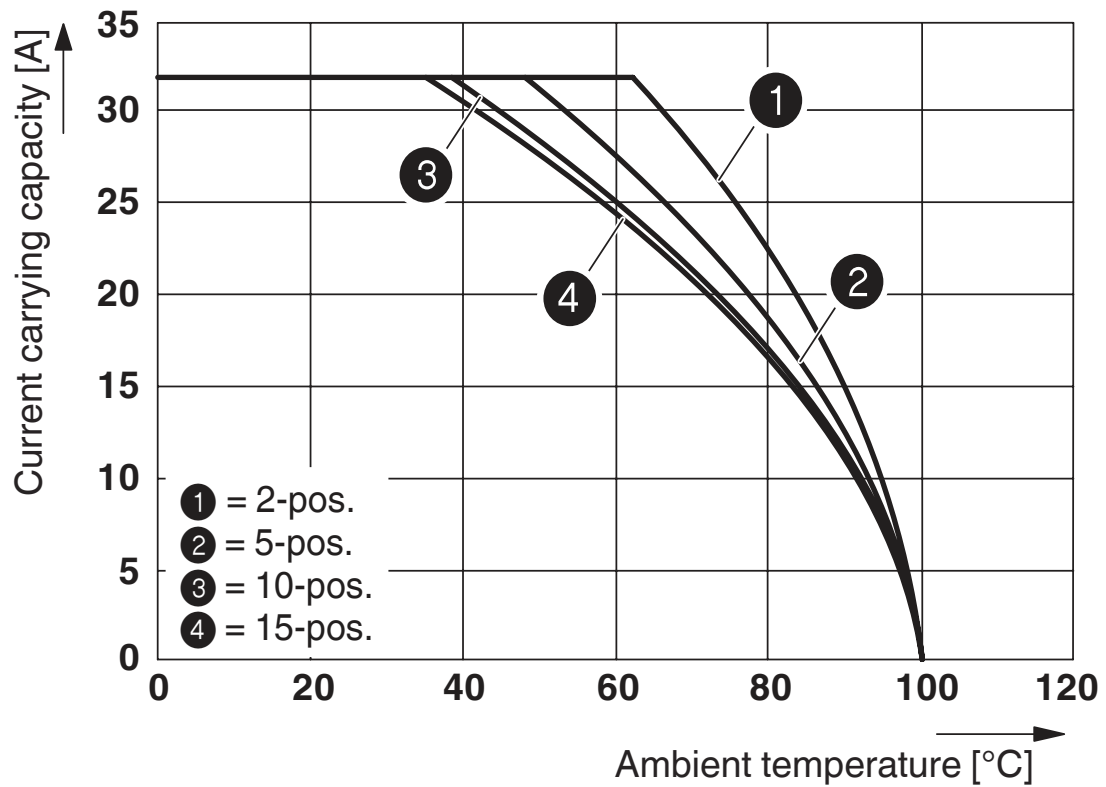
Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
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 (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 61984

Drawings

Diagram

The figure shows the derating curve of the UT 4/1P... terminal block in connection with the UPVB 4 plug

Circuit diagram
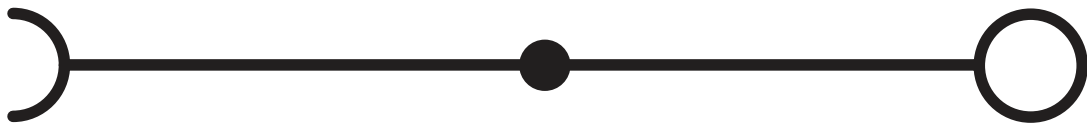
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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3045266

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	-

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	-

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002021

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

> ⓘ   Note: Applying some accessories below might limit this product.

FBS 2-6 - Plug-in bridge

3030336

https://www.phoenixcontact.com/us/products/3030336

Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: red

ⓘ Max. current carrying capacity: 32 A

FBS 3-6 - Plug-in bridge

3030242

https://www.phoenixcontact.com/us/products/3030242

Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: red

ⓘ Max. current carrying capacity: 32 A

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FBS 4-6 - Plug-in bridge

3030255

https://www.phoenixcontact.com/us/products/3030255

Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: red

ℹ️ Max. current carrying capacity: 32 A

FBS 5-6 - Plug-in bridge

3030349

https://www.phoenixcontact.com/us/products/3030349

Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: red

ℹ️ Max. current carrying capacity: 32 A

FBS 6-6 - Plug-in bridge

1008238

https://www.phoenixcontact.com/us/products/1008238

Plug-in bridge, One side not fully isolated, pitch: 6.2 mm, number of positions: 6, color: red

ⓘ Max. current carrying capacity: 32 A

FBS 10-6 - Plug-in bridge

3030271

https://www.phoenixcontact.com/us/products/3030271

Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: red

ⓘ Max. current carrying capacity: 32 A

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FBSR 2-6 - Plug-in bridge

3033715

https://www.phoenixcontact.com/us/products/3033715

Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: red

ⓘ Max. current carrying capacity: 24 A

FBSR 3-6 - Plug-in bridge

3001594

https://www.phoenixcontact.com/us/products/3001594

Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: red

ⓘ Max. current carrying capacity: 24 A

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FBSR 4-6 - Plug-in bridge

3001595

https://www.phoenixcontact.com/us/products/3001595

Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: red

ⓘ Max. current carrying capacity: 24 A

FBSR 5-6 - Plug-in bridge

3001596

https://www.phoenixcontact.com/us/products/3001596

Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: red

ⓘ Max. current carrying capacity: 24 A

UPBV 4/ 1 BU - Plug

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FBSR 10-6 - Plug-in bridge

3033716

https://www.phoenixcontact.com/us/products/3033716

Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: red

ⓘ Max. current carrying capacity: 24 A

FBSRH 2-6 - Short-circuit connector

3033812

https://www.phoenixcontact.com/us/products/3033812

Short-circuit connector, pitch: 6.2 mm, number of positions: 2, color: red

ⓘ Max. current carrying capacity: 24 A

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FBS 2-6 BU - Plug-in bridge

3036932

https://www.phoenixcontact.com/us/products/3036932

Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: blue

ⓘ Max. current carrying capacity: 32 A

FBS 3-6 BU - Plug-in bridge

3036945

https://www.phoenixcontact.com/us/products/3036945

Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: blue

ⓘ Max. current carrying capacity: 32 A

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FBS 4-6 BU - Plug-in bridge

3036958

https://www.phoenixcontact.com/us/products/3036958

Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: blue

ℹ Max. current carrying capacity: 32 A

FBS 5-6 BU - Plug-in bridge

3036961

https://www.phoenixcontact.com/us/products/3036961

Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: blue

ℹ Max. current carrying capacity: 32 A

UPBV 4/ 1 BU - Plug

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https://www.phoenixcontact.com/us/products/3045266

FBS 10-6 BU - Plug-in bridge

3032198

https://www.phoenixcontact.com/us/products/3032198

Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: blue

ℹ️ Max. current carrying capacity: 32 A

FBS 20-6 BU - Plug-in bridge

3032208

https://www.phoenixcontact.com/us/products/3032208

Plug-in bridge, pitch: 6.2 mm, number of positions: 20, color: blue

ℹ️ Max. current carrying capacity: 32 A

UPBV 4/ 1 BU - Plug

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FBS 50-6 BU - Plug-in bridge

3032211

https://www.phoenixcontact.com/us/products/3032211

Plug-in bridge, pitch: 6.2 mm, number of positions: 50, color: blue

ℹ️ Max. current carrying capacity: 32 A

UPRZ - Latching

3045570

https://www.phoenixcontact.com/us/products/3045570

Latching, length: 39.8 mm, width: 10 mm, height: 39.8 mm, number of positions: 2, color: orange

UPBV 4/ 1 BU - Plug

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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

DF-UPBV 2,5/ 4 - Flange cover

3060432

https://www.phoenixcontact.com/us/products/3060432

Flange cover, can be snapped onto the UPBV 2,5/... and UPBV 4/... plugs, connection method: Screw connection, length: 45.7 mm, width: 4.5 mm, height: 45.7 mm, color: gray

UPBV 4/ 1 BU - Plug

3045266

https://www.phoenixcontact.com/us/products/3045266

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

MPS-MT - Test plugs

0201744

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

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

UPBV 4/ 1 BU - Plug

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https://www.phoenixcontact.com/us/products/3045266

MPS-IH WH - Insulating sleeve

0201663

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

Insulating sleeve, color: white

MPS-IH RD - Insulating sleeve

0201676

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

Insulating sleeve, color: red

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https://www.phoenixcontact.com/us/products/3045266

MPS-IH BU - Insulating sleeve

0201689

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

Insulating sleeve, color: blue

MPS-IH YE - Insulating sleeve

0201692

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

Insulating sleeve, color: yellow

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https://www.phoenixcontact.com/us/products/3045266

MPS-IH GN - Insulating sleeve

0201702

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

Insulating sleeve, color: green

MPS-IH GY - Insulating sleeve

0201728

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

Insulating sleeve, color: gray

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https://www.phoenixcontact.com/us/products/3045266

MPS-IH BK - Insulating sleeve

0201731

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

Insulating sleeve, color: black

PAI-4-N GY - Test adapter

3032871

https://www.phoenixcontact.com/us/products/3032871

4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

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https://www.phoenixcontact.com/us/products/3045266

PS-6 - Test plugs

3030996

https://www.phoenixcontact.com/us/products/3030996

Test plugs, Modular test plug, number of positions: 1, color: red

PS-6/2,3MM RD - Test plugs

3038736

https://www.phoenixcontact.com/us/products/3038736

Test plugs, number of positions: 1, color: red

UPBV 4/ 1 BU - Plug

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ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

https://www.phoenixcontact.com/us/products/0808642

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

ZBF 5 CUS - Zack Marker strip, flat

0825025

https://www.phoenixcontact.com/us/products/0825025

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

UPBV 4/ 1 BU - Plug

3045266

https://www.phoenixcontact.com/us/products/3045266

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

0808671

https://www.phoenixcontact.com/us/products/0808671

Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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

0808697

https://www.phoenixcontact.com/us/products/0808697

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

UPBV 4/ 1 BU - Plug

3045266

https://www.phoenixcontact.com/us/products/3045266

ZBF 5,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810821

https://www.phoenixcontact.com/us/products/0810821

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

ZBF 5,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810863

https://www.phoenixcontact.com/us/products/0810863

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

UPBV 4/ 1 BU - Plug

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UC-TMF 5 - Marker for terminal blocks

0818153

https://www.phoenixcontact.com/us/products/0818153

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: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

UC-TMF 5 CUS - Marker for terminal blocks

0824638

https://www.phoenixcontact.com/us/products/0824638

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: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

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3045266

https://www.phoenixcontact.com/us/products/3045266

UCT-TMF 5 - Marker for terminal blocks

0828744

https://www.phoenixcontact.com/us/products/0828744

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: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

UCT-TMF 5 CUS - Marker for terminal blocks

0829658

https://www.phoenixcontact.com/us/products/0829658

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: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72