

UPBV 4/ 1-M - Plug

3045745

<https://www.phoenixcontact.com/us/products/3045745>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm²- 6 mm², color: gray

Product description

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

Your advantages

- Can be bridged with FBS ... standard bridges
- 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 connected conductors can be led directly into the cable duct to save space

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3045745 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE01 |
| Product key | BE1144 |
| GTIN | 4046356083164 |
| Weight per piece (including packing) | 6.38 g |
| Weight per piece (excluding packing) | 5.9 g |
| Customs tariff number | 85366990 |
| Country of origin | TR |

UPBV 4/ 1-M - Plug



3045745

<https://www.phoenixcontact.com/us/products/3045745>

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 |
|--------------------|---|

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 mm ² |
| Connection method | Screw connection |
| 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 mm ² ... 6 mm ² |
| Cross section AWG | 26 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.14 mm ² ... 6 mm ² |
| Conductor cross-section, flexible [AWG] | 26 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| 2 conductors with same cross section, rigid | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1 mm ² |
| Nominal cross section | 4 mm ² |
| Nominal current | 32 A |
| Maximum load current | 32 A (with 6 mm ² conductor cross-section) |
| Nominal voltage | 800 V |

UPBV 4/ 1-M - Plug



3045745

<https://www.phoenixcontact.com/us/products/3045745>

Dimensions

| | |
|--------|---------|
| Width | 6.2 mm |
| Height | 22 mm |
| Depth | 48.5 mm |
| Length | 22 mm |
| Pitch | 6.2 mm |

Material specifications

| | |
|---|-----------------|
| Color | gray (RAL 7042) |
| 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 (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 |
|----------------------------------|-----------|

UPBV 4/ 1-M - Plug

3045745

<https://www.phoenixcontact.com/us/products/3045745>

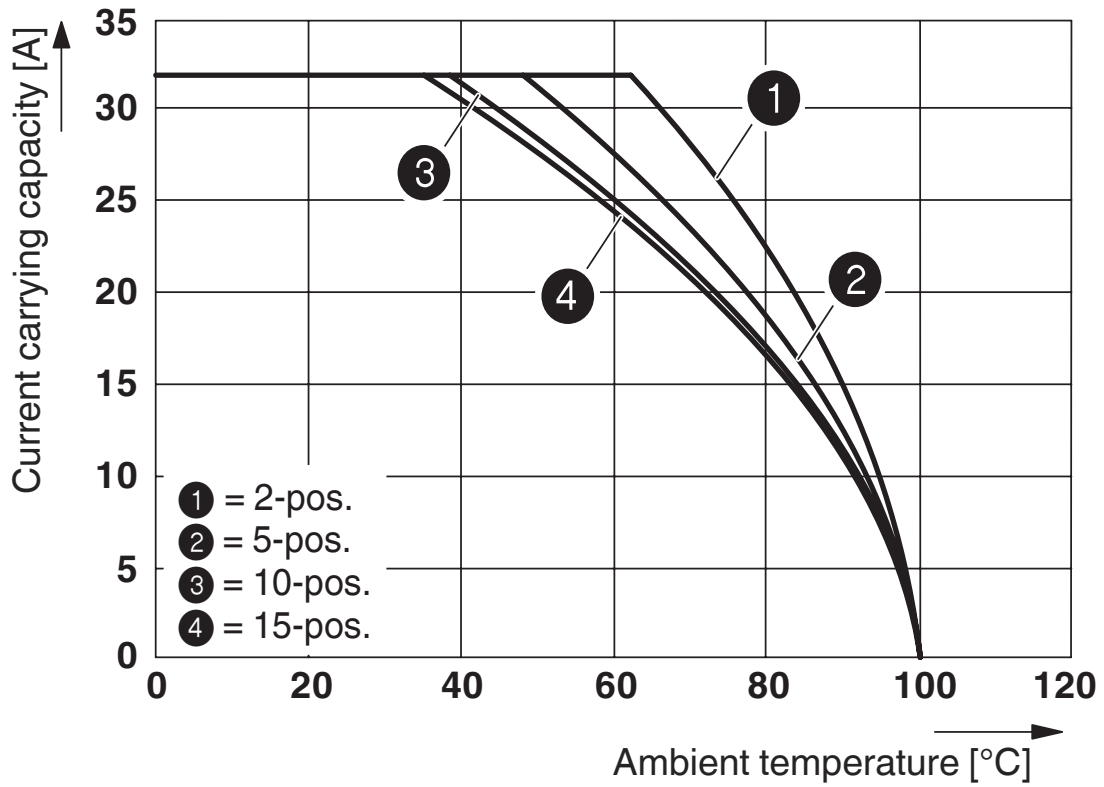


Drawings

Schematic diagram



Diagram



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

UPBV 4/ 1-M - Plug

3045745

<https://www.phoenixcontact.com/us/products/3045745>



Circuit diagram



UPBV 4/ 1-M - Plug



3045745

<https://www.phoenixcontact.com/us/products/3045745>

Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3045745>

 **CSA**
Approval ID: 13631

 **cULus Recognized**
Approval ID: E60425

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|----------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| B | | | | |
| | 600 V | 30 A | 26 - 10 | - |
| Multi-conductor connection | 600 V | 30 A | 26 - 14 | - |
| C | | | | |
| | 600 V | 30 A | 26 - 10 | - |
| Multi-conductor connection | 600 V | 30 A | 26 - 14 | - |

 **CSA**
Approval ID: 13631

 **EAC**
Approval ID: KZ7500651131219505

UPBV 4/ 1-M - Plug

3045745

<https://www.phoenixcontact.com/us/products/3045745>



Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250306 |
| ECLASS-15.0 | 27250306 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002021 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

UPBV 4/ 1-M - Plug



3045745

<https://www.phoenixcontact.com/us/products/3045745>

Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 16d89e59-c64c-44bb-a6c3-1fffa0fc7dfb |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.042 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com