

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



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: 13, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>- 6 mm<sup>2</sup>, color: gray

## 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	3045923
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE01
Product key	BE1144
Catalog page	Page 335 (C-1-2019)
GTIN	4046356083430
Weight per piece (including packing)	80.41 g
Weight per piece (excluding packing)	80.41 g
Customs tariff number	85366990
Country of origin	TR

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## Technical data

### Product properties

Product type	Terminal plug
Number of positions	13
Pitch	6.2 mm
Potentials	1

### Insulation characteristics

Ovvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
---------------------	------

### Connection data

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

### Dimensions

Width	80.6 mm
Height	22 mm
Depth	48.5 mm
Length	22 mm
Pitch	6.2 mm

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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

## Environmental and real-life conditions

### Ambient conditions

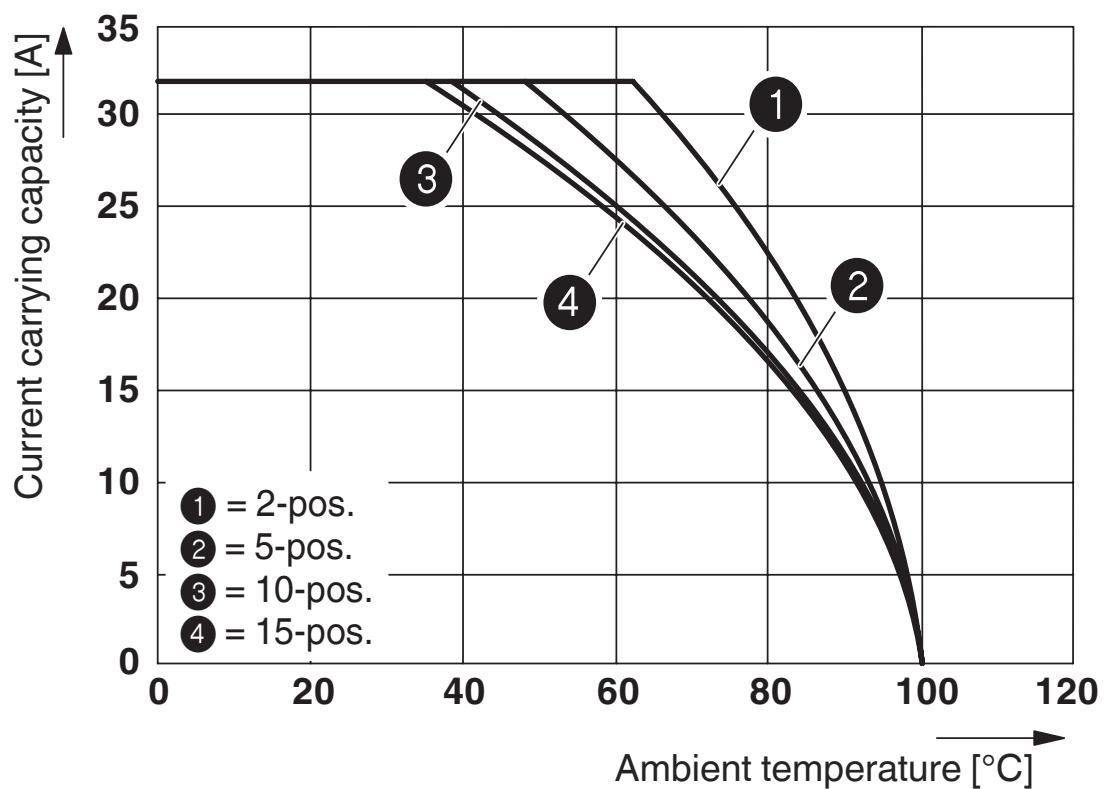
Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

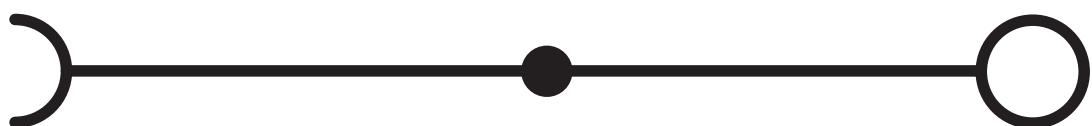
## Drawings

Diagram



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

Circuit diagram



# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3045923>

		CSA		
		Approval ID: 13631		
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
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
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

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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

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"

3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



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



Max. current carrying capacity: 32 A

---

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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

---

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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

---

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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



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



Max. current carrying capacity: 32 A

---

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



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



Max. current carrying capacity: 32 A

---

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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

Max. current carrying capacity: 32 A

---

## UPRZ - Latching

3045570

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



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

## UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



### UPR/ 2 - Latching

3045567

<https://www.phoenixcontact.com/us/products/3045567>



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

---

### UPZ/ 2 - Strain relief

3045554

<https://www.phoenixcontact.com/us/products/3045554>



Strain relief, width: 9.3 mm, height: 36.7 mm, number of positions: 2, color: black

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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, depth: 32 mm, width: 4.5 mm, height: 45.7 mm, color: gray

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## 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

---

## 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

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## LPS-6/E - Service connector

3270540

<https://www.phoenixcontact.com/us/products/3270540>



Service connector, nom. voltage: 800 V, nominal current: 24 A, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>- 4 mm<sup>2</sup>, color: red

## LPS-6 - Service connector

3270541

<https://www.phoenixcontact.com/us/products/3270541>



Service connector, nom. voltage: 800 V, nominal current: 24 A, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>- 4 mm<sup>2</sup>, color: red

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## LPO 4/E - Pick-off plug

3270519

<https://www.phoenixcontact.com/us/products/3270519>



Pick-off plug, nom. voltage: 800 V, nominal current: 24 A, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>- 4 mm<sup>2</sup>, color: gray

## LPO 4 - Pick-off plug

3270522

<https://www.phoenixcontact.com/us/products/3270522>



Pick-off plug, nom. voltage: 800 V, nominal current: 24 A, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>- 4 mm<sup>2</sup>, color: gray

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

## MPS-MT - Test plug

0201744

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

Test plug, with solder connection up to 1 mm<sup>2</sup> 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



# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



---

## PS-6 - Test plug

3030996

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

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



# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## PS-6/2,3MM RD - Test plug

3038736

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

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



---

## 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



# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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

## 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

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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

## 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

# UPBV 4/13 - Plug



3045923

<https://www.phoenixcontact.com/us/products/3045923>

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

---

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

# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



## 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



# UPBV 4/13 - Plug

3045923

<https://www.phoenixcontact.com/us/products/3045923>



## 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



---

Phoenix Contact 2024 © - 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](mailto:info@phoenixcon.com)