

## Plug - UPBV 4/ 1-R GNYE - 3045790

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Plug, Connection method: Screw connection, Number of positions: 1, Cross section: 0.14 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 26 - 10, Width: 6.2 mm, Height: 48.5 mm, Color: green-yellow

Illustration shows various versions of the product (left, center and right element) in different color combinations

### Product description

Connector element right, left housing with engagement pin, right closed with cover

### Why buy this product

- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions
- The COMBI plugs for self-assembly provide solutions that users can implement themselves
- Can be bridged with FBS ... standard bridges
- The plugs are assembled directly on site by snapping together single-position plug elements
- The connected conductors can be led directly into the cable duct to save space



### Key commercial data

Packing unit	50 pc
GTIN	
Weight per Piece (excluding packing)	6.71 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Number of levels	1
Number of connections	1
Color	green-yellow
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	32 A (with 6 mm <sup>2</sup> conductor cross section)

# Plug - UPBV 4/ 1-R GNYE - 3045790

## Technical data

### General

Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Nominal current I <sub>N</sub>	32 A
Nominal voltage U <sub>N</sub>	800 V
Number of positions	1

### Dimensions

Width	6.2 mm
Length	22 mm
Height	48.5 mm

### Connection data

Connection in acc. with standard	IEC 61984
Connection method	Screw connection
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max.	10
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
Stripping length	9 mm

# Plug - UPBV 4/ 1-R GNYE - 3045790

## Technical data

### Connection data

Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 5.0	EC002021

### UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

## Approvals

### Approvals

---

#### Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

---

#### Ex Approvals

---

#### Approvals submitted

# Plug - UPBV 4/ 1-R GNYE - 3045790

## Approvals

### Approval details

UL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	26-10	26-10
Nominal current I <sub>N</sub>	30 A	30 A
Nominal voltage U <sub>N</sub>	600 V	600 V

cUL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	26-10	26-10
Nominal current I <sub>N</sub>	30 A	30 A
Nominal voltage U <sub>N</sub>	600 V	600 V

GOST		
------	--	--

GOST		
------	--	--

cULus Recognized		
------------------	--	--

## Accessories

Accessories

Bridge

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, Number of positions: 2, Color: red

## Plug - UPBV 4/ 1-R GNYE - 3045790

### Accessories

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, Number of positions: 3, Color: red

---

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, Number of positions: 4, Color: red

---

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, Number of positions: 5, Color: red

---

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, Number of positions: 10, Color: red

---

### End cover

Flange cover - DF-UPBV 2,5/ 4 - 3060432



Flange cover, Length: 45.7 mm, Width: 4.5 mm, Height: 32 mm, Color: gray

---

## Plug - UPBV 4/ 1-R GNYE - 3045790

### Accessories

Spacer plate - DP PS-6 - 3036738



Spacer plate, Color: red

---

### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

---

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

---

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

---

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

---

## Plug - UPBV 4/ 1-R GNYE - 3045790

### Accessories

Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

---

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

---

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

---

### Mounting material

Latching - UPRZ - 3045570



Latching, Number of positions: 2, Color: orange

---

Latching - UPR/ 2 - 3045567



Latching, Number of positions: 2, Color: orange

---

## Plug - UPBV 4/ 1-R GNYE - 3045790

### Accessories

Strain relief - UPZ/ 2 - 3045554



Strain relief, Number of positions: 2, Color: black

---

### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 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

---

### Shield connection

Shield connection clamp - PSH 3- 6 - 3040591



Shield connection clamp, Color: black

---

Shield connection clamp - PSH 5-10 - 3040601



Shield connection clamp, Color: black

---

### Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

---

# Plug - UPBV 4/ 1-R GNYE - 3045790

## Accessories

Test plugs - PAI-4-N GY - 3032871



Test plugs, Color: gray

Test plugs - PS-6 - 3030996



Test plugs, Color: red

Test plugs - PS-6/2,3MM RD - 3038736



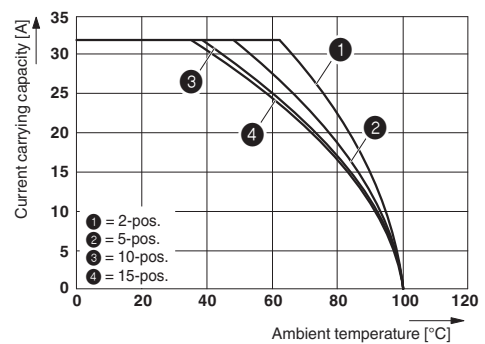
Test plugs, Color: red

## Drawings

Circuit diagram



Diagram



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

## Plug - UPBV 4/ 1-R GNYE - 3045790

Schematic diagram

