

## Installation terminal block - UIK 16 BU - 3006205

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://phoenixcontact.com/download>)




Installation terminal block, Screw connection, Cross section: 2.5 mm<sup>2</sup> - 25 mm<sup>2</sup>, AWG: 12 - 4, Width: 12.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15, NS 32

### Product Features

- Installation terminal blocks with a particularly low-profile design for use in flat distributors
- The asymmetrical arrangement of the terminal blocks on the DIN rail enables the neutral busbar to be routed past the terminal blocks



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 091422
Weight per Piece (excluding packing)	22.04 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	16 mm <sup>2</sup>
Color	blue
Insulating material	PA
Flammability rating according to UL 94	V2
Maximum load current	101 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III

# Installation terminal block - UIK 16 BU - 3006205

## Technical data

### General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	76 A
Maximum load current	101 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	400 V
Open side panel	Yes

### Dimensions

Width	12.2 mm
Length	42.5 mm
Height NS 35/7,5	47 mm
Height NS 35/15	54.5 mm
Height NS 32	52 mm

### Connection data

Note	Terminal point
Conductor cross section solid min.	2.5 mm <sup>2</sup>
Conductor cross section solid max.	25 mm <sup>2</sup>
Conductor cross section flexible min.	4 mm <sup>2</sup>
Conductor cross section flexible max.	16 mm <sup>2</sup>
Conductor cross section AWG min.	12
Conductor cross section AWG max.	4
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm <sup>2</sup>
2 conductors with same cross section, solid min.	1.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	11 mm

# Installation terminal block - UIK 16 BU - 3006205

## Technical data

### Connection data

Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V2

## Classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141125

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC001329

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Approvals

### Approvals

---

## Installation terminal block - UIK 16 BU - 3006205

### Approvals


#### Approvals


CSA / UL Recognized / KEMA-KEUR / cUL Recognized / CCA / EAC / EAC / cUL Recognized / cULus Recognized


#### Ex Approvals

#### Approvals submitted

#### Approval details


CSA 	
mm²/AWG/kcmil	22-4
Nominal current I <sub>N</sub>	85 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized 		
	B	C
mm²/AWG/kcmil	22-4	22-4
Nominal current I <sub>N</sub>	85 A	85 A
Nominal voltage U <sub>N</sub>	600 V	600 V

KEMA-KEUR 	
mm²/AWG/kcmil	16
Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	400 V

## Installation terminal block - UIK 16 BU - 3006205

### Approvals

cUL Recognized 	
mm²/AWG/kcmil	22-4
Nominal current I <sub>N</sub>	85 A
Nominal voltage U <sub>N</sub>	600 V

CCA	
mm²/AWG/kcmil	16
Nominal voltage U <sub>N</sub>	400 V

EAC
-----

EAC
-----

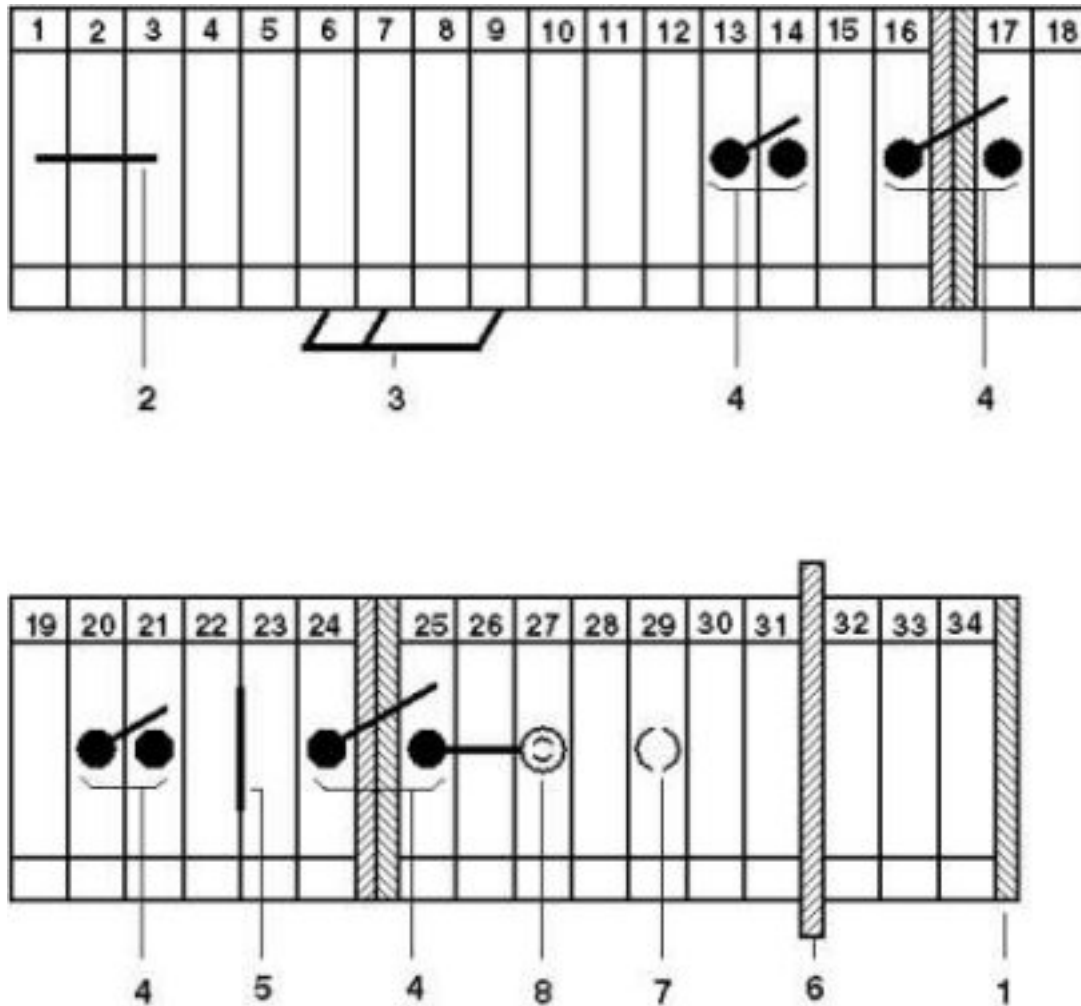
cUL Recognized		
	B	C
mm²/AWG/kcmil	22-4	22-4
Nominal current I <sub>N</sub>	85 A	85 A
Nominal voltage U <sub>N</sub>	600 V	600 V

cULus Recognized 	
--	--

### Drawings

## Installation terminal block - UIK 16 BU - 3006205

Circuit diagram



- 1 = cover
- 2 = fixed bridge
- 3 = insertion bridge
- 4 = switch bar for 2 terminal blocks
- 5 = separating plate
- 6 = partition plate
- 7 = test plug socket, for test connection with test plug PS
- 8 = test plug socket, insulated, can only be used with FBI