

# Feed-through terminal block - UIK 16 - 3006153

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>)



Feed-through 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: gray, 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

package_quantity	50
GTIN	4017918091378

## Technical data

### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

### General

Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	400 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Surge voltage test setpoint	6 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV

# Feed-through terminal block - UIK 16 - 3006153

## Technical data

### General

Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	2.5 mm <sup>2</sup> / 0.7 kg
Bending test conductor cross section/weight	16 mm <sup>2</sup> / 2.9 kg
Bending test conductor cross section/weight	25 mm <sup>2</sup> / 4.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	2.5 mm <sup>2</sup>
Tractive force setpoint	50 N
Conductor cross section tensile test	16 mm <sup>2</sup>
Tractive force setpoint	100 N
Conductor cross section tensile test	25 mm <sup>2</sup>
Tractive force setpoint	135 N
Tensile test result	Test passed
Tight fit on carrier	NS 35/NS 32
Setpoint	5 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	16 mm <sup>2</sup>
Short-time current	1.92 kA
Conductor cross section short circuit testing	25 mm <sup>2</sup>
Short-time current	3 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	115 °C

### 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>

# Feed-through terminal block - UIK 16 - 3006153

## Technical data

### Connection data

Conductor cross section solid max.	25 mm <sup>2</sup>
Conductor cross section stranded min.	4 mm <sup>2</sup>
Conductor cross section stranded max.	16 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	12
Conductor cross section AWG/kcmil max	4
Conductor cross section stranded, with ferrule without plastic sleeve min.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	1.5 mm <sup>2</sup>
Conductor cross section stranded, 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
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

## 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	27141120

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897

# Feed-through terminal block - UIK 16 - 3006153

## classifications

### ETIM

<b>ETIM 4.0</b>	EC000897
<b>ETIM 5.0</b>	EC000897


### UNSPSC


<b>UNSPSC 6.01</b>	30211811
<b>UNSPSC 7.0901</b>	39121410
<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410


## approvals

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

### Approval details

<b>CSA</b> 	
Nominal voltage UN	600 V
Nominal current IN	85 A
mm <sup>2</sup> /AWG/kcmil	22-4

<b>UL Recognized</b> 		
<b>Usegroups</b>	<b>B</b>	<b>C</b>
Nominal voltage UN	600 V	600 V
Nominal current IN	85 A	85 A
mm <sup>2</sup> /AWG/kcmil	22-4	22-4

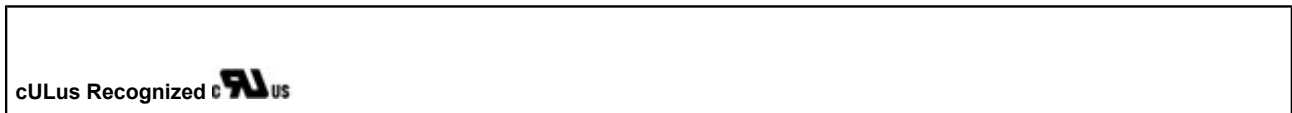
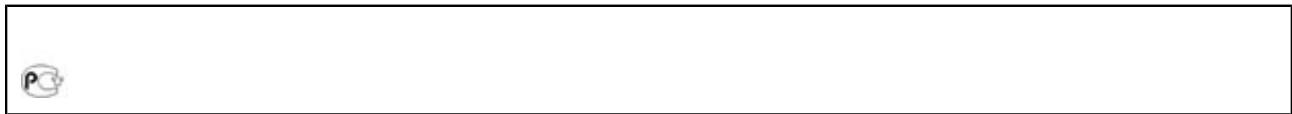
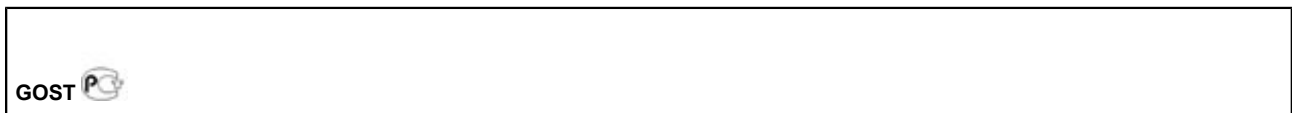
<b>KEMA-KEUR</b> 	
Nominal voltage UN	400 V
Nominal current IN	76 A
mm <sup>2</sup> /AWG/kcmil	16

# Feed-through terminal block - UIK 16 - 3006153

approvals

<b>cUL Recognized</b>		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	85 A	85 A
mm <sup>2</sup> /AWG/kcmil	22-4	22-4

<b>CCA</b>	
Nominal voltage UN	400 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	16



accessories

**End cover**

D-UK 4/10 - 3003020



**Partition plate**

## Feed-through terminal block - UIK 16 - 3006153

### accessories

TS-K - 1302215



---

### Partition plate

ATP-UK - 3003224



---

### Warning label printed

WS 4-12 - 0805328



WS 5-12 - 0805315



---

### Bridge

FBI 2-12 - 0200075



## Feed-through terminal block - UIK 16 - 3006153

accessories

FBI 10-12 - 0203454



---

EB 10-12 - 3006137



---

SB 2- 8/13 - 0202235



---

### Mounting rail

NS 32 PERF 2000MM - 1201002



---

NS 32 UNPERF 2000MM - 1201015



## Feed-through terminal block - UIK 16 - 3006153

### accessories

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421





## Feed-through terminal block - UIK 16 - 3006153

### accessories

---

NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



## Feed-through terminal block - UIK 16 - 3006153

### accessories

NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



## Feed-through terminal block - UIK 16 - 3006153

accessories

---

NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



---

### Terminal marking

ZB 12:UNPRINTED - 0812120



UC-TM 12 - 0819194



UCT-TM 12 - 0829144



---

### Labeled terminal marker

## Feed-through terminal block - UIK 16 - 3006153

### accessories

ZB 12 CUS - 0824942



---

UC-TM 12 CUS - 0824613



---

UCT-TM 12 CUS - 0829630



---

### Test plug terminal block

PS-MT - 0311647



---

### Insulating sleeve

PS-IH WH - 0311566



## Feed-through terminal block - UIK 16 - 3006153

### accessories

PS-IH RD - 0311579



PS-IH BU - 0311582



PS-IH YE - 0311595



PS-IH GN - 0311605



PS-IH GY - 0311621



PS-IH BK - 0311634



# Feed-through terminal block - UIK 16 - 3006153

accessories

---

PS-IH VT - 0311618



## End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



# Feed-through terminal block - UIK 16 - 3006153

accessories

E/UK 1 - 1201413



---

## Test socket

PSBJ 4/15/6 FARBLOS - 0303419



---

PSBJ 4/15/6 WH - 0303312



---

PSBJ 4/15/6 RD - 0303325



---

PSBJ 4/15/6 BU - 0303354



## Feed-through terminal block - UIK 16 - 3006153

### accessories

PSBJ 4/15/6 YE - 0303367



PSBJ 4/15/6 GN - 0303370



PSBJ 4/15/6 VT - 0303383



PSBJ 4/15/6 GY - 0303396



PSBJ 4/15/6 BK - 0303406



PSB 4/7/6 - 0303299





# Feed-through terminal block - UIK 16 - 3006153

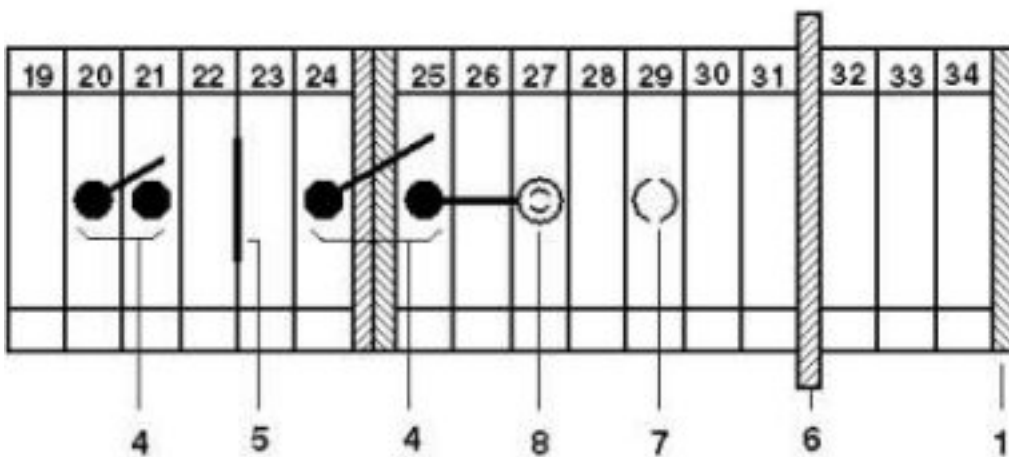
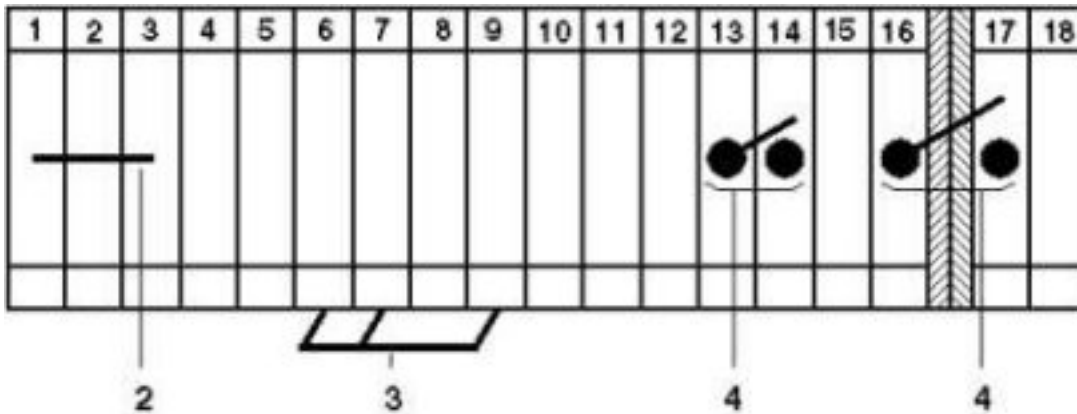
accessories

## Drawings

Circuit diagram



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