

## Feed-through terminal block - UKK 4-FS - 2770561

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>)



Feed-through terminal block, Connection type: Screw connection, Slip-on connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG :24- 12, Width: 6.2 mm, Color: gray, Mounting: NS 35/7,5, NS 35/15, NS 32



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	15.0 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### General

Number of levels	2
Number of connections	6
Nominal cross section	4 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V2
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection method	Screw connection
Maximum load current	20 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	400 V
Connection method	Slip-on connection
Open side panel	Yes

# Feed-through terminal block - UKK 4-FS - 2770561

## Technical data

### Dimensions

Width	6.2 mm
Length	72 mm
Height NS 35/7,5	59 mm
Height NS 35/15	66.5 mm
Height NS 32	64 mm
End cover width	1.5 mm

### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm
Stripping length	8 mm
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	4 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 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, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, 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.	1.5 mm <sup>2</sup>

# Feed-through terminal block - UKK 4-FS - 2770561

## Technical data

### Connection data

Nominal current $I_N$	20 A
Maximum load current	20 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	400 V
Internal cylindrical gage	A4
Connection method	Slip-on connection

### Standards and Regulations

Connection in acc. with standard	UL
Flammability rating according to UL 94	V2

## Classifications

### eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

### ETIM

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

### UNSPSC

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

## Approvals

### Approvals

## Feed-through terminal block - UKK 4-FS - 2770561

### Approvals

Approvals

UL Recognized / EAC

---


Ex Approvals

---

Approvals submitted

---

### Approval details

UL Recognized 	
mm²/AWG/kcmil	30-10
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	300 V

EAC
-----

### Accessories

Accessories

Bridge

Fixed bridge - FB-150 METER - 0201595



Cross connection rail, for fixed bridging of identical inputs and outputs, made of Cu, nickel-plated, 1 m long

---

Connector

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

Connector - C-SCF 1/2,8X0,5 - 3240152



Slip-on sleeve, non-insulated, 0.5 - 1 mm², 2.8 x 0.5

---

Connector - C-SCFI 1,5/2,8X0,5 - 3240048



Slip-on sleeve, red, 0.5 - 1.5 mm², 2.8 x 0.5

---

Connector - C-SCF 1/2,8X0,8 - 3240153



Slip-on sleeve, non-insulated, 0.5 - 1 mm², 2.8 x 0.8

---

Connector - C-SCFI 1,5/2,8X0,8 - 3240049



Slip-on sleeve, red, 0.5 - 1.5 mm², 2.8 x 0.8

---

Connector - C-SCF 1,5/6,3X0,8 - 3240156



Slip-on sleeve, non-insulated, 0.5 - 1.5 mm², 6.3 x 0.8

---

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

Connector - C-SCFI 1,5/6,3X0,8 - 3240052



Slip-on sleeve, red, 0.5 - 1.5 mm<sup>2</sup>, 6.3 x 0.8

---

Connector - C-SCF 2,5/6,3X0,8 - 3240159



Slip-on sleeve, non-insulated, 1.5 - 2.5 mm<sup>2</sup>, 6.3 x 0.8

---

Connector - C-SCFI 2,5/6,3X0,8 - 3240055



Slip-on sleeve, blue, 1.5 - 2.5 mm<sup>2</sup>, 6.3 x 0.8

---

Connector - C-SCF 6/6,3X0,8 - 3240160



Slip-on sleeve, non-insulated, 4 - 6 mm<sup>2</sup>, 6.3 x 0.8

---

Connector - C-SCFI 6/6,3X0,8 - 3240056



Slip-on sleeve, yellow, 4 - 6 mm<sup>2</sup>, 6.3 x 0.8

---

Cover profile

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

Cover profile - EA 5 - 1024014



Single covers, color: transparent

---

Cover profile - EA 5-WS - 1024085



Single covers, for covering one terminal block, with black symbol (lightning flash) snap fit, color: transparent/yellow

---

### DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

---

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

---

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

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



DIN rail 35 mm (NS 35)

---

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



DIN rail 35 mm (NS 35)

---

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



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

---

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

---



## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

---

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

---

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

---

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

---

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

---

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

---

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

---

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

---

End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray

---

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

---

End cover

End cover - D-UKK 4 - 2770558



End cover, Length: 72 mm, Width: 1.5 mm, Height: 59 mm, Color: gray

---

Insertion bridge

Insertion bridge - EB 3- 6 - 0201142



Insertion bridge, Pitch: 6.2 mm, Number of positions: 3, Color: gray

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

---

Insertion bridge - EB 2- 6 - 0201155



Insertion bridge, Pitch: 6.2 mm, Number of positions: 2, Color: gray

---

Insertion bridge - EB 10- 6 - 0201139



Insertion bridge, Pitch: 6.2 mm, Number of positions: 10, Color: gray

---

### Insulating sleeve

Bridge bar isolator - IS-K 4 - 1302338



Bridge bar isolator, Color: gray

---

Insulating sleeve - PT/FS 2,8 - 1406700



Insulating sleeve, as touch protection, slide onto the conductor before for 2.8 slip-on sleeves

---

Insulating sleeve - PT/FS 6,3 - 0604707



Insulating sleeve, as touch protection, slide onto the conductor before for 6.3 slip-on sleeves

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

#### Labeled terminal marker

##### Zack marker strip - ZB 6 CUS - 0824992



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

##### Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

##### Zack marker strip - ZB 6,QR:FORTL.ZAHLEN - 1051029



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

##### Zack marker strip - ZB 6,LGS:GLEICHE ZAHLEN - 1051032



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Identical numbers 1 or 2, etc. up to 100, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

##### Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: U, V, W, N, GND, U, V, W, N, GND, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Marker for terminal blocks - UC-TM 6 CUS - 0824589



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 6 CUS - 0829602



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

### Screw bridge

Jumper - ISSBI 10- 6 - 0301505



Jumper, Pitch: 6 mm, Number of positions: 10, Color: silver

Jumper - LB 10-6 BU - 0202280



Jumper, Pitch: 6 mm, Number of positions: 10, Color: blue

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

Jumper - LB 10-6 GY - 0202358



Jumper, Pitch: 6 mm, Number of positions: 10, Color: gray

---

Jumper - LB 100-6 GY - 0202345



Jumper, Pitch: 6 mm, Number of positions: 100, Color: gray

---

Jumper - LB 100-6 RD - 0202316



Jumper, Number of positions: 100, Color: red

---

Jumper - LB 100-6 BU - 0202303



Jumper, Number of positions: 100, Color: blue

---

Jumper - LB 10-6 RD - 0202293



Jumper, Pitch: 6 mm, Number of positions: 10, Color: red

---



## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

Fixed bridge - FBI 100- 6 - 0201650



Fixed bridge, Pitch: 6 mm, Number of positions: 100, Color: silver

Fixed bridge - FBI 10- 6 - 0203250



Fixed bridge, Pitch: 6 mm, Number of positions: 10, Color: silver

Fixed bridge - FBI 20- 6 - 0201867



Fixed bridge, Pitch: 6 mm, Number of positions: 20, Color: silver

### 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

### Short-circuit connector

Short-circuit connector - KSS 6 - 0301547



Short-circuit connector, Pitch: 6 mm, Number of positions: 2, Color: black

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

---

Short-circuit connector - KSS 3- 6 - 0309523



Short-circuit connector, Pitch: 6 mm, Number of positions: 3, Color: black

---

### Switching jumper

Switching jumper - USBRJ 2-7 - 2305538



Switching jumper, Number of positions: 2, Color: silver

---

Switching jumper - USBR 2-7 - 2303239



Switching jumper, Pitch: 7 mm, Number of positions: 2, Color: silver

---

### Terminal marking

Marker card - SBS 6:UNBEDRUCKT - 1007222



Marker card, Card, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 6 x 6.1 mm

## Feed-through terminal block - UKK 4-FS - 2770561

### Accessories

#### Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

#### Marker for terminal blocks - UC-TM 6 - 0818085



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

---

#### Marker for terminal blocks - UCT-TM 6 - 0828736



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

---

### Test plug terminal block

#### Reducing plug - RPS - 0201647



Reducing plug, Color: gray

---

### Test socket

#### Female test connector - PSBJ 3/13/4 - 0201304



Female test connector, Color: silver

# Feed-through terminal block - UKK 4-FS - 2770561

## Accessories

---

Female test connector - PSB 3/10/4 - 0601292



Female test connector, Color: silver

---

Warning label printed

Warning label - WS 5- 6 - 1004403



Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 6 mm

---

Warning label - WS 4- 6 - 1004209



Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 6 mm

---

Warning label - WS 3- 6 - 1004115



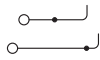
Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 6 mm

---

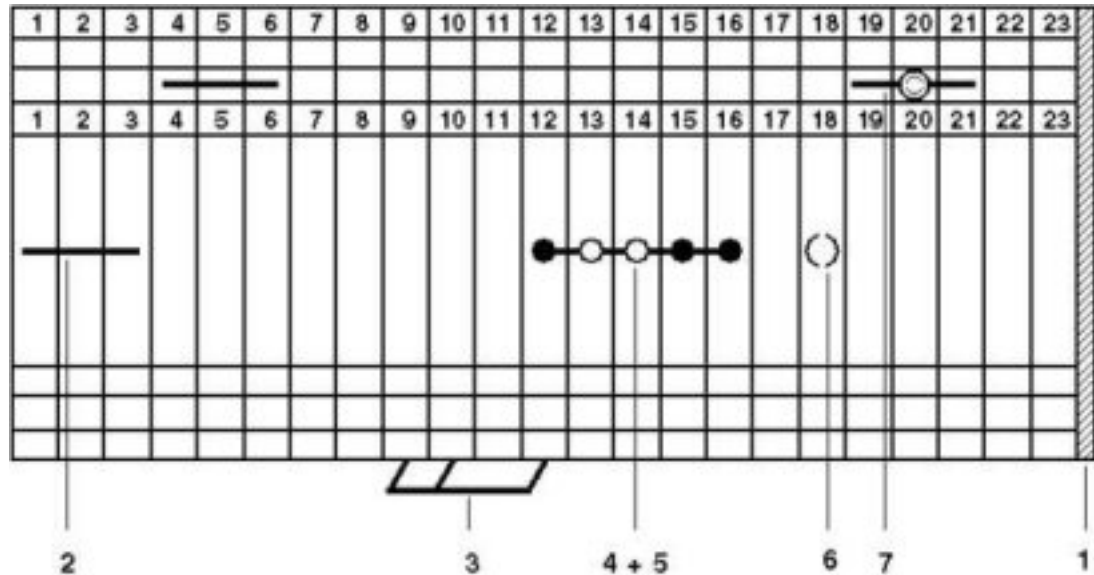
## Drawings

## Feed-through terminal block - UKK 4-FS - 2770561

Circuit  
diagram



Circuit diagram



- 1 = cover
- 2 = fixed bridge
- 3 = insertion bridge
- 4 = isolator bridge bar
- 5 = bridge bar isolator
- 6 = test plug socket, for test connection with test plug MPS or adapter plug RPS
- 7 = test plug socket, insulated, can only be used above FBI, KB, ISSBI

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact:

2770561