

Feed-through terminal block - UDK 4 BU - 2775090

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1-level terminal block with double connection on both sides, cross section: 0.2 - 2.5 mm², AWG: 24 - 10, width: 6.2 mm, color: blue

The illustration shows version UDK 4 in gray

Why buy this product

- Two connection points on each side to accommodate several conductors
- Double bridge shaft enables individual potential distribution and supply



Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 068448
Weight per Piece (excluding packing)	15.5 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	4
Nominal cross section	4 mm ²
Color	blue
Insulating material	PA
Flammability rating according to UL 94	V2
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1

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Technical data

General

Maximum load current	32 A (In the case of a 6 mm ² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors)
Nominal current I _N	32 A (with 6 mm ² conductor cross section)
Nominal voltage U _N	630 V
Open side panel	ja
Number of positions	1

Dimensions

Width	6.2 mm
End cover width	1.5 mm
Length	63.5 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
Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
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 ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm ²
Cross section with insertion bridge, solid max.	2.5 mm ²
Cross section with insertion bridge, stranded max.	2.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²

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Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Cross section with insertion bridge, solid max.	2.5 mm ²
Cross section with insertion bridge, stranded max.	2.5 mm ²
Stripping length	8 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 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	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

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Approvals

Approvals


Approvals


CSA / UL Recognized / cUL Recognized / GL / RS / PRS / DNV / EAC / EAC / UL Recognized / cULus Recognized


Ex Approvals

Approvals submitted

Approval details

CSA 			
	B	C	D
mm ² /AWG/kcmil	22-10	22-10	22-10
Nominal current I _N	25 A	25 A	5 A
Nominal voltage U _N	300 V	300 V	600 V

UL Recognized 	
mm ² /AWG/kcmil	30-10
Nominal current I _N	30 A
Nominal voltage U _N	600 V

cUL Recognized 			
	B	C	D
mm ² /AWG/kcmil	30-10	30-10	30-10
Nominal current I _N	30 A	30 A	5 A
Nominal voltage U _N	300 V	300 V	600 V

GL

RS

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Approvals

PRS

DNV

EAC

EAC

UL Recognized			
	B	C	D
mm ² /AWG/kcmil	30-10	30-10	30-10
Nominal current I _N	30 A	30 A	5 A
Nominal voltage U _N	300 V	300 V	600 V

cULus Recognized

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

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

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Accessories

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

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)

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Accessories

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

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

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Accessories

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

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

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Accessories

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

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

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Accessories

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

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

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Accessories

End cover - D-UDK 4 BU - 2775197



End cover, Length: 63.5 mm, Width: 1.5 mm, Color: blue

End cover - D-UDK 4 - 2775113



End cover, Length: 63.5 mm, Width: 1.5 mm, Color: gray

Insertion bridge

Insertion bridge - EB 3- 6 - 0201142



Insertion bridge, Number of positions: 3, Color: gray

Insertion bridge - EB 2- 6 - 0201155



Insertion bridge, Number of positions: 2, Color: gray

Insertion bridge - EB 10- 6 - 0201139



Insertion bridge, Number of positions: 10, Color: gray

Insulating sleeve

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Accessories

Bridge bar isolator - IS-K 4 - 1302338



Bridge bar isolator, Color: gray

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

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Accessories

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

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

Partition plate

Separating plate - TS-KK 3 - 2770215



Separating plate, Length: 14 mm, Width: 0 mm, Height: 16 mm, Color: gray

Screw bridge

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Accessories

Jumper - ISSBI 10- 6 - 0301505



Jumper, Number of positions: 10, Color: silver

Jumper - LB 10-6 BU - 0202280



Jumper, Number of positions: 10, Color: blue

Jumper - LB 10-6 GY - 0202358



Jumper, Number of positions: 10, Color: gray

Jumper - LB 100-6 GY - 0202345



Jumper, Number of positions: 100, Color: gray

Jumper - LB 100-6 RD - 0202316



Jumper, Number of positions: 100, Color: red

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Accessories

Jumper - LB 100-6 BU - 0202303



Jumper, Number of positions: 100, Color: blue

Jumper - LB 10-6 RD - 0202293



Jumper, Number of positions: 10, Color: red

Fixed bridge - FBI 100- 6 - 0201650



Fixed bridge, Number of positions: 100, Color: silver

Fixed bridge - FBI 10- 6 - 0203250



Fixed bridge, Number of positions: 10, Color: silver

Fixed bridge - FBI 20- 6 - 0201867



Fixed bridge, Number of positions: 20, Color: silver

Short-circuit connector

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Accessories

Short-circuit connector - KSS 3- 6 - 0309523



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

Short-circuit connector - KSS 6 - 0301547



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

Switching jumper

Switching jumper - USBR 2-7 - 2303239



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

Switching jumper - USBRJ 2-7 - 2305538



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

Switching jumper - SBRN 2-7 - 1413230



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

Terminal marking

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Accessories

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

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

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Accessories

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



Female test connector, Color: silver

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



Female test connector, Color: silver

Warning label printed

Warning label - WS 3- 6 - 1004115



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

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

Drawings

Feed-through terminal block - UDK 4 BU - 2775090

Circuit diagram



- 1 = cover
- 2 = fixed bridge, for cross-connections in the terminal center, screw heads with insulating collar
- 3 = fixed bridge, for cross-connections in the terminal center, with crimped-on rollers
- 4 = insertion bridge
- 5 = isolator bridge bar
- 6 = bridge bar isolator
- 7 = switch bar for 2 terminal blocks
- 8 = separating plate

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