

## Installation ground terminal block - PIK 6-PE/L/NT - 2714268

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Installation ground terminal block, Screw connection, cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, width: 8.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

### Your advantages

- Same shape as PIK 4 terminal blocks

### Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4017918104863

### Technical data

#### General

Note	Assembly instructions: For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
Number of levels	3
Number of connections	5
Nominal cross section	6 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Current carrying capacity of the neutral busbar	140 A
Rated surge voltage	4 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.31 W (the value is multiplied when connecting multiple levels)

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## Technical data

### General

Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Nominal current $I_N$	41 A
Maximum load current	41 A (with 6 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	400 V (phase conductor/phase conductor)
	250 V (phase conductor/PE)
	250 V (phase conductor/N)
Open side panel	No
Terminal block mounting	0.5 Nm ... 0.6 Nm (PE foot with mounting screw, M3)
Disconnect slide, screw thread	M2,5
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

### Dimensions

Width	8.2 mm
Length	88 mm
Height NS 35/7,5	51.5 mm
Height NS 35/15	59 mm

### Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	8
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.	6 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.	4 mm <sup>2</sup>

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## Technical data

### Connection data

Connection method	Screw connection
Stripping length	9 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Standards and Regulations

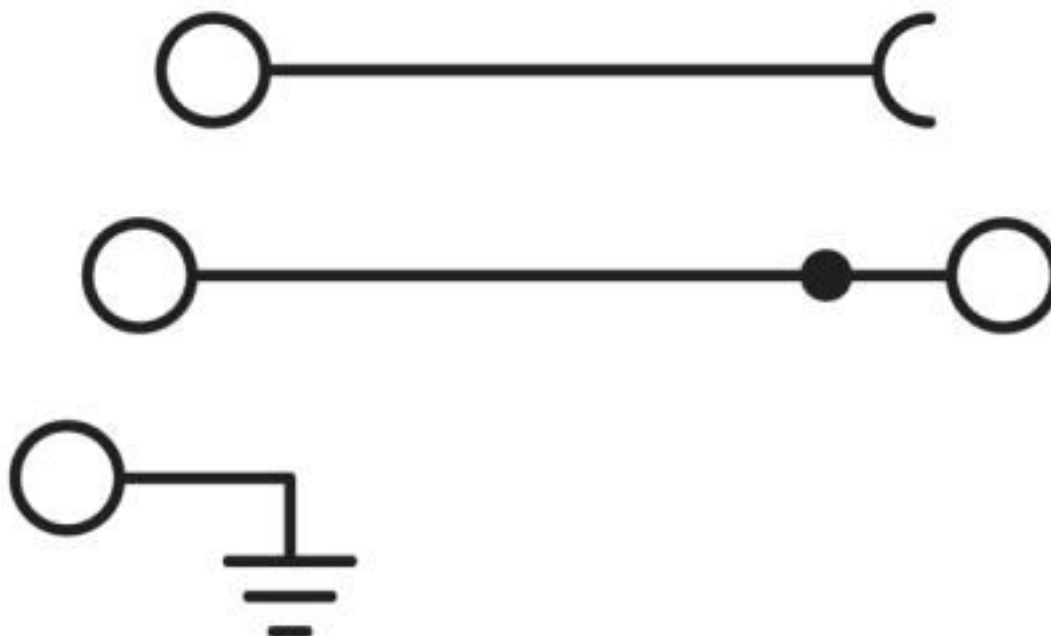
Connection in acc. with standard	CUL
	IEC 60947-7-1/IEC 60947-7-2
Flammability rating according to UL 94	V0

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Circuit diagram



## Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100

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## Classifications

### eCl@ss

eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141125
eCl@ss 8.0	27141125
eCl@ss 9.0	27141125

### ETIM

ETIM 2.0	EC001329
ETIM 3.0	EC001329
ETIM 4.0	EC001329
ETIM 5.0	EC001329
ETIM 6.0	EC001329
ETIM 7.0	EC001329

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 19.0	39121410

## Approvals


### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
Nominal voltage UN	300 V		
Nominal current IN	30 A		

# Installation ground terminal block - PIK 6-PE/L/NT - 2714268

## Approvals

mm²/AWG/kcmil	26-8
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cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
Nominal voltage UN	300 V		
Nominal current IN	30 A		
mm²/AWG/kcmil	26-8		

EAC		RU C-DE.A*30.B.01742
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cULus Recognized	
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## Accessories

### Accessories

#### DIN rail

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

## Installation ground terminal block - PIK 6-PE/L/NT - 2714268

### Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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## Installation ground terminal block - PIK 6-PE/L/NT - 2714268

### Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

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



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

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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## Installation ground terminal block - PIK 6-PE/L/NT - 2714268

### Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

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# Installation ground terminal block - PIK 6-PE/L/NT - 2714268

## Accessories

End cap - NS 35/15 CAP - 1206573



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

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



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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## 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

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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

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End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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## Installation ground terminal block - PIK 6-PE/L/NT - 2714268

### Accessories

#### End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

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#### 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

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### Labeled terminal marker

#### Zack Marker strip, flat - ZBF 8 CUS - 0825030



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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#### Zack Marker strip, flat - ZBF 8,LGS:FORTL.ZAHLEN - 0808804



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 101 ... 110, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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#### Marker for terminal blocks - UC-TMF 8 CUS - 0824654



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

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## Installation ground terminal block - PIK 6-PE/L/NT - 2714268

### Accessories

Marker for terminal blocks - UCT-TMF 8 CUS - 0829672



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

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### Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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### Neutral conductor rail

Neutral busbar - NLS-CU 3/10 SN 1000MM - 0402174



Neutral busbar, width: 10 mm, height: 3 mm, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, length: 1000 mm, color: silver

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### Partition plate

Partition plate - ATP-PIK - 2714145



Partition plate, length: 95 mm, width: 1.5 mm, height: 57 mm, color: gray

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### Screw bridge

Fixed bridge - FBRI 10-8 N - 2772080



Fixed bridge, pitch: 8.2 mm, number of positions: 10, color: silver

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## Accessories

### 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

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## Support

Support bracket - AB-UTI/3 - 3076038



Support bracket, Bracket for busbars, set every 20 cm, pitch: 200 mm, length: 93.5 mm, width: 2.2 mm, height: 51.2 mm, number of positions: 1, color: blue

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## Terminal marking

Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

---

Marker for terminal blocks - UC-TMF 8 - 0818137



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

---

Marker for terminal blocks - UCT-TMF 8 - 0828748



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

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## Additional products

## Installation ground terminal block - PIK 6-PE/L/NT - 2714268

### Accessories

Connection terminal block - AKG 16 BU - 0423014



Connection terminal block, connection method: Screw connection, load current: 76 A, cross section: 1.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, width: 9.8 mm, color: blue

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Connection terminal block - AKG 35 BU - 0424013



Connection terminal block, connection method: Screw connection, load current: 125 A, cross section: 2.5 mm<sup>2</sup> - 35 mm<sup>2</sup>, width: 14.3 mm, color: blue

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