

## Feed-through terminal block - PT 6/1P BU - 3061761

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Feed-through terminal block, Connection method: Push-in / plug connection, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 8.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

### Product Features

- ✓ The push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- ✓ The compact design and front connection enable wiring in a confined space
- ✓ In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- ✓ Tested for railway applications



### Key commercial data

Packing unit	1 PCE
Minimum order quantity	50 PCE
GTIN	 4 046356 649209
Custom tariff number	85369010
Country of origin	POLAND

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	blue
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
	Mechanical engineering

## Feed-through terminal block - PT 6/1P BU - 3061761

### Technical data

#### General

	Plant engineering
Maximum load current	41 A (with 6 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Nominal current I <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	ja

#### Dimensions

Width	8.2 mm
Length	57.7 mm
Height NS 35/7,5	43.5 mm
Height NS 35/15	51 mm

#### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	20
Max. AWG conductor cross section, stranded	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 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>
Connection method	Push-in / plug connection
Stripping length	12 mm
Internal cylindrical gage	A5

# Feed-through terminal block - PT 6/1P BU - 3061761

## Classifications

### eCl@ss

eCl@ss 4.0	27141131
eCl@ss 4.1	27141131
eCl@ss 5.0	27141134
eCl@ss 5.1	27141134
eCl@ss 6.0	27141134
eCl@ss 7.0	27141134
eCl@ss 8.0	27141134

### ETIM

ETIM 3.0	EC001283
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

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#### Approvals

UL Recognized / cUL Recognized / CSA / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

# Feed-through terminal block - PT 6/1P BU - 3061761


## Approvals

UL Recognized 

	B	C
mm <sup>2</sup> /AWG/kcmil	20-8	20-8
Nominal current IN	40 A	40 A
Nominal voltage UN	600 V	600 V

cUL Recognized 

	B	C
mm <sup>2</sup> /AWG/kcmil	20-8	20-8
Nominal current IN	40 A	40 A
Nominal voltage UN	600 V	600 V

CSA 

	B	C	D
mm <sup>2</sup> /AWG/kcmil	20-8	20-8	20-8
Nominal current IN	40 A	40 A	40 A
Nominal voltage UN	600 V	600 V	600 V

GOST 

cULus Recognized  US

## Accessories

Accessories

Assembly

## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Partition plate - ATP-ST 6 - 3024481



Partition plate, Length: 75 mm, Width: 2 mm, Height: 49 mm, Color: gray

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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

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



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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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## Feed-through terminal block - PT 6/1P BU - 3061761

### 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

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



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

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



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

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



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

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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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## Feed-through terminal block - PT 6/1P BU - 3061761

### 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

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



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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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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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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

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



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

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



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

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DIN rail - 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

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End cap - NS 35/15 CAP - 1206573



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

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DIN rail - 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

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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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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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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### Bridges

## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Plug-in bridge - FBS 10-8 - 3030323



Plug-in bridge, Number of positions: 10, Color: red

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Plug-in bridge - FBS 5-8 - 3030310



Plug-in bridge, Number of positions: 5, Color: red

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Plug-in bridge - FBS 4-8 - 3030307



Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBS 3-8 - 3030297



Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, Number of positions: 2, Color: red

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Plug-in bridge - FBS 6-8 - 3032470



Plug-in bridge, Number of positions: 6, Color: red

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Reducing bridge - RB ST 6-1,5/S - 3213250



Reducing bridge, Number of positions: 2, Color: red

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Plug-in bridge - FBSRH 2-8 - 3033802



Plug-in bridge, Number of positions: 2, Color: red

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Plug-in bridge - FBSRH 3-8 - 3033803



Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBSRH 4-8 - 3033804



Plug-in bridge, Number of positions: 4, Color: red

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### Covers

## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

End cover - D-PT 6 - 3212044



End cover, Length: 57.7 mm, Width: 2.2 mm, Height: 42 mm, Color: gray

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Spacer plate - DP PS-8 - 3036741



Spacer plate, Color: red

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### Marking

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

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Zack marker strip - ZB 8:UNBEDRUCKT - 1052002



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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Zack marker strip - ZB 8 CUS - 0825011



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

#### Marker for terminal blocks - UC-TM 8 - 0818072



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: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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#### Marker for terminal blocks - UC-TM 8 CUS - 0824597



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: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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#### Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, For terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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#### Marker for terminal blocks - UCT-TM 8 CUS - 0829616



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: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

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: 5.15 x 8.15 mm

Marker for terminal blocks - UC-TMF 8 - 0818137



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 8.2 mm, Lettering field: 7.6 x 5.1 mm

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: 7.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 8 - 0828748



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into flat marker groove, For terminal block width: 8.2 mm, Lettering field: 7.4 x 4.7 mm

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: 7.4 x 4.7 mm

## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Marker for terminal blocks - TMT (EX9,5)R - 0828295



Marker for terminal blocks, Roll, white, Unlabeled, Can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, Mounting type: Snap into universal marker groove, Snap into flat marker groove, Lettering field: 9.5 x 50000 mm

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### Plug/Adapter

Reducing bridge - RB ST 6-(2,5/4) - 3030860



Reducing bridge, Number of positions: 2, Color: red

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Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

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Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

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Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

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Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

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Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Test adapter - PAI-4-FIX BU - 3032729



Test adapter, Color: blue

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Test adapter - PAI-4-FIX OG - 3034455



Test adapter, Color: orange

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Test adapter - PAI-4-FIX YE - 3032745



Test adapter, Color: yellow

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Test adapter - PAI-4-FIX RD - 3032732



Test adapter, Color: red

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Test adapter - PAI-4-FIX GN - 3032758



Test adapter, Color: green

---

## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Test adapter - PAI-4-FIX BK - 3032774



Test adapter, Color: black

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Test adapter - PAI-4-FIX GY - 3032790



Test adapter, Color: gray

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Test adapter - PAI-4-FIX VT - 3032761



Test adapter, Color: violet

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Test adapter - PAI-4-FIX BN - 3032787



Test adapter, Color: brown

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Test adapter - PS-8 - 3031005



Test adapter, Color: red

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Test adapter - PS-8/2,3MM RD - 3048564



Test adapter, Color: red

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### Software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for easy planning of Phoenix Contact on DIN rails together with the integrated TRABTECH-select software module for planning comprehensive surge protection concepts.

Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multi-lingual software for terminal strip project planning. A marking module allows professional labeling of markers and labels for marking terminal blocks, conductors, cables and devices. The additionally integrated software module TRABTECH-select for planning comprehensive surge protection concepts.

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### Tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Mounting material - PT-IL - 3208090

Operating decal for the Push-in Technology



## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

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#### Additional products

##### Plug - PP-H 6/ 1 - 3061541



Plug, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: gray

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##### Plug - PP-H 6/ 1 BU - 3061554



Plug, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: blue

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##### Plug - PP-H 6/ 1 GNYE - 3061567



Plug, Connection method: Push-in connection, Number of positions: 1, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 8.2 mm, Height: 49.3 mm, Color: green-yellow

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##### Plug - PP-H 6/10 - 3061651



Plug, Connection method: Push-in connection, Number of positions: 10, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 82 mm, Height: 49.3 mm, Color: gray

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##### Plug - PP-H 6/ 1-L - 3061664



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Plug - PP-H 6/ 1-L BU - 3061677



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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Plug - PP-H 6/ 1-L GNYE - 3061680



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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Plug - PP-H 6/ 1-M - 3061693



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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Plug - PP-H 6/ 1-M BU - 3061703



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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Plug - PP-H 6/ 1-M GNYE - 3061716



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Plug - PP-H 6/ 1-R - 3061729



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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Plug - PP-H 6/ 1-R BU - 3061732



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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Plug - PP-H 6/ 1-R GNYE - 3061745



Plug, single, for self-assembly, not bridgeable, one conductor can be connected, 1-pos.

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Plug - PP-H 6/ 2 - 3061570



Plug, Connection method: Push-in connection, Number of positions: 2, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 16.4 mm, Height: 49.3 mm, Color: gray

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Plug - PP-H 6/ 3 - 3061583



Plug, Connection method: Push-in connection, Number of positions: 3, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 24.6 mm, Height: 49.3 mm, Color: gray

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

#### Plug - PP-H 6/ 4 - 3061596



Plug, Connection method: Push-in connection, Number of positions: 4, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 32.8 mm, Height: 49.3 mm, Color: gray

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#### Plug - PP-H 6/ 5 - 3061606



Plug, Connection method: Push-in connection, Number of positions: 5, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 41 mm, Height: 49.3 mm, Color: gray

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#### Plug - PP-H 6/ 6 - 3061619



Plug, Connection method: Push-in connection, Number of positions: 6, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 49.2 mm, Height: 49.3 mm, Color: gray

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#### Plug - PP-H 6/ 7 - 3061622



Plug, Connection method: Push-in connection, Number of positions: 7, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 57.4 mm, Height: 49.3 mm, Color: gray

---

#### Plug - PP-H 6/ 8 - 3061635



Plug, Connection method: Push-in connection, Number of positions: 8, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 65.6 mm, Height: 49.3 mm, Color: gray

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## Feed-through terminal block - PT 6/1P BU - 3061761

### Accessories

Plug - PP-H 6/ 9 - 3061648



Plug, Connection method: Push-in connection, Number of positions: 9, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 73.8 mm, Height: 49.3 mm, Color: gray

Latching - PRZ - 3040614



Latching, Length: 3 mm, Width: 5.2 mm, Number of positions: 2, Color: orange

Latching - PR - 3040559



Latching, Number of positions: 1, Color: orange

Latching - PR/2 - 3040630



Latching, Number of positions: 2, Color: orange

### Drawings

Circuit diagram

