

## Feed-through terminal block - UK 6 N BU - 3004977

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, Width: 8.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

### Why buy this product

- All universal terminal blocks in the UK... series can also be used in the Ex e area according to IEC/EN 60079 as standard
- The corresponding EC-type examination numbers for Ex approval can be found in the technical connection data



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 090968 |
| Weight per Piece (excluding packing) | 13.06 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | China   |

### Technical data

#### General

|  |                   |
|--|-------------------|
| Number of levels                       | 1                 |
| Number of connections                  | 2                 |
| Nominal cross section                  | 6 mm <sup>2</sup> |
| Color                                  | blue              |
| Insulating material                    | PA                |
| Flammability rating according to UL 94 | V0                |
| 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     |

# Feed-through terminal block - UK 6 N BU - 3004977

## Technical data

### General

|                                |  |
|--------------------------------|--|
| Maximum load current           | 57 A (with 10 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub> | 41 A   |
| Nominal voltage U <sub>N</sub> | 800 V  |
| Open side panel                | ja   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 8.2 mm  |
| End cover width  | 1.8 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

|   |                      |
|---|----------------------|
| Connection method   | Screw connection     |
| Connection in acc. with standard  | IEC 60947-7-1        |
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 10 mm <sup>2</sup>   |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 8                    |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 6 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.              | 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.                 | 6 mm <sup>2</sup>    |
| Cross section with insertion bridge, solid max.   | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                      | 4 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.  | 2.5 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.                                     | 2.5 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. | 4 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>  |
| Cross section with insertion bridge, solid max.   | 4 mm <sup>2</sup>    |

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## Technical data

### Connection data

|  |                     |
|--|---------------------|
| Cross section with insertion bridge, stranded max. | 4 mm <sup>2</sup>   |
| Connection in acc. with standard                   | IEC/EN 60079-7      |
| Conductor cross section solid min.                 | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.                 | 10 mm <sup>2</sup>  |
| Conductor cross section AWG min.                   | 26                  |
| Conductor cross section AWG max.                   | 8                   |
| Conductor cross section flexible min.              | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max.              | 6 mm <sup>2</sup>   |
| Stripping length                                   | 10 mm               |
| Internal cylindrical gage                          | A5                  |
| Screw thread                                       | M4                  |
| Tightening torque, min                             | 1.5 Nm              |
| Tightening torque max                              | 1.8 Nm              |

### Standards and Regulations

|  |               |
|--|---------------|
| Connection in acc. with standard       | CSA           |
|  | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

## 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 |

# Feed-through terminal block - UK 6 N BU - 3004977

## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121410 |
|-------------|----------|

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / KEMA-KEUR / cUL Recognized / GL / DNV / RS / CCA / EAC / EAC / GL / cULus Recognized

#### Ex Approvals

IECEX / ATEX / EAC Ex

#### Approvals submitted

## Approval details

|                            |       |
|----------------------------|-------|
| CSA                        |       |
| mm <sup>2</sup> /AWG/kcmil | 26-8  |
| Nominal current IN         | 50 A  |
| Nominal voltage UN         | 600 V |

|                            |       |
|----------------------------|-------|
| UL Recognized              |       |
| mm <sup>2</sup> /AWG/kcmil | 26-8  |
| Nominal current IN         | 50 A  |
| Nominal voltage UN         | 600 V |

|                            |       |
|----------------------------|-------|
| KEMA-KEUR                  |       |
| mm <sup>2</sup> /AWG/kcmil | 6     |
| Nominal current IN         | 41 A  |
| Nominal voltage UN         | 800 V |

# Feed-through terminal block - UK 6 N BU - 3004977

## Approvals

|                                |       |
|--------------------------------|-------|
| cUL Recognized                 |       |
| mm <sup>2</sup> /AWG/kcmil     | 26-8  |
| Nominal current I <sub>N</sub> | 50 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|    |
|----|
| GL |
|----|

|     |
|-----|
| DNV |
|-----|

|    |
|----|
| RS |
|----|

|                                |       |
|--------------------------------|-------|
| CCA                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 6     |
| Nominal voltage U <sub>N</sub> | 800 V |

|     |
|-----|
| EAC |
|-----|

|     |
|-----|
| EAC |
|-----|

|    |
|----|
| GL |
|----|

|                  |
|------------------|
| cULus Recognized |
|------------------|

## Accessories

Accessories

Cover profile

Cover profile - EA 5-WS - 1024085



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

## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

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Cover profile - EA 5 - 1024014



Single covers, color: transparent

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



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

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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, unperforated - 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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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

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



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

---

## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

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

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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, 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, unperforated - 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 perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

---



## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

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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DIN rail perforated - 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, unperforated - 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, 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

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

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

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, 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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End cover

End cover - D-UK 4/10 - 3003020



End cover, Length: 42.5 mm, Width: 1.8 mm, Height: 35.9 mm, Color: gray

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Insertion bridge

Insertion bridge - EB 2- 8 - 0202154



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

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Insertion bridge - EB 3- 8 - 0202141



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

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Insertion bridge - EB 4- 8 - 0202142



Insertion bridge, Number of positions: 4, Color: gray

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Insertion bridge - EB 10- 8 - 0202138



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

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### Insulating sleeve

Bridge bar isolator - IS-K 10 - 1303337



Bridge bar isolator, Color: gray

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Insulating sleeve - PS-IH WH - 0311566



Insulating sleeve, Color: white

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Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, Color: red

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, Color: blue

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Insulating sleeve - PS-IH YE - 0311595



Insulating sleeve, Color: yellow

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Insulating sleeve - PS-IH GN - 0311605



Insulating sleeve, Color: green

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Insulating sleeve - PS-IH GY - 0311621



Insulating sleeve, Color: gray

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Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, Color: black

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, Color: violet

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### Labeled terminal marker

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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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 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 - ZB 8,LGS:FORTL.ZAHLEN - 1052015



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: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Zack marker strip - ZB 8,QR:FORTL.ZAHLEN - 1052028



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413



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: 8.2 mm, Lettering field: 10.5 x 8.15 mm

### Partition plate

Separating plate - TS-K - 1302215



Separating plate, Length: 22 mm, Width: 0.5 mm, Height: 22 mm, Color: gray

Partition plate - ATP-UK - 3003224



Partition plate, Length: 56 mm, Width: 1.5 mm, Height: 45.7 mm, Color: gray

### Screw bridge

Jumper - ISSBI 10- 8 - 0301534



Jumper, Number of positions: 10, Color: silver

## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Fixed bridge - FBI 2- 8 - 0200020



Fixed bridge, Number of positions: 2, Color: silver

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Fixed bridge - FBI 3- 8 - 0200059



Fixed bridge, Number of positions: 3, Color: silver

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Fixed bridge - FBI 4- 8 - 0200046



Fixed bridge, Number of positions: 4, Color: silver

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Fixed bridge - FBI 10- 8 - 0203263



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

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Fixed bridge - FBI 10- 8-EX - 0711700



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

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Fixed bridge - FB 2- 8 - 0202196



Fixed bridge, Number of positions: 2, Color: silver

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Fixed bridge - FB 2- 8-EX - 3029224



Fixed bridge, Number of positions: 2, Color: silver

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Fixed bridge - FB 3- 8 - 0202167



Fixed bridge, Number of positions: 3, Color: silver

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Fixed bridge - FB 4- 8 - 0202183



Fixed bridge, Number of positions: 4, Color: silver

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Fixed bridge - FB 10- 8 - 0202170



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

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Fixed bridge - FB 10- 8-EX - 3003185



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

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### Short-circuit connector

Short-circuit connector - KSS 8 - 0311540



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

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### Switching jumper

Switching jumper - SB 2- 8/13 N - 0200062



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

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### Terminal marking

Marker card - SBS 8:UNBEDRUCKT - 1007235



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: 8.2 mm, Lettering field: 6 x 8.1 mm

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

## Feed-through terminal block - UK 6 N BU - 3004977

### 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

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



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: 8.2 mm, Lettering field: 7.6 x 10.5 mm

#### Test plug terminal block

##### Test plugs - PS-MT - 0311647



Test plugs, Color: silver

#### Test socket

##### Female test connector - PSBJ 4/15/6 FARBLOS - 0303419



Female test connector, Color: transparent

##### Female test connector - PSBJ 4/15/6 WH - 0303312



Female test connector, Color: white

## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Female test connector - PSBJ 4/15/6 RD - 0303325



Female test connector, Color: red

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Female test connector - PSBJ 4/15/6 BU - 0303354



Female test connector, Color: blue

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Female test connector - PSBJ 4/15/6 YE - 0303367



Female test connector, Color: yellow

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Female test connector - PSBJ 4/15/6 GN - 0303370



Female test connector, Color: green

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Female test connector - PSBJ 4/15/6 VT - 0303383



Female test connector, Color: violet

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## Feed-through terminal block - UK 6 N BU - 3004977

### Accessories

Female test connector - PSBJ 4/15/6 GY - 0303396



Female test connector, Color: gray

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Female test connector - PSBJ 4/15/6 BK - 0303406



Female test connector, Color: black

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Female test connector - PSB 4/7/6 - 0303299



Female test connector, Color: silver

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Warning label printed

Warning label - WS 5- 8 - 1004416

Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 8 mm



Warning label - WS 4- 8 - 1004212

Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 8 mm



# Feed-through terminal block - UK 6 N BU - 3004977

## Accessories

Warning label - WS 3- 8 - 1004128

Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 8 mm



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## Drawings

Circuit diagram



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