

## Feed-through terminal block - UK 3 N - 3001501

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7.5

### Product Features

- Universal foot which can be used on NS 35... and NS 32... DIN rails
- The UK universal screw terminal block series has the typical features which are decisive for practical applications
- Potential distribution via fixed bridges in the terminal center or insertion bridges in the clamping space



### Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 1 PCE   |
| Minimum order quantity | 50 PCE  |
| Catalog page           | Page 407 (CL1-2011)   |
| GTIN                   | <br>4 017918 089955 |
| Custom tariff number   | 85369010  |
| Country of origin      | GERMANY   |

### Technical data

#### General

|   |      |
|---|------|
| Number of levels                        | 1    |
| Number of connections                   | 2    |
| Color                                   | gray |
| Insulating material                     | PA   |
| Inflammability class according to UL 94 | V0   |

#### Dimensions

# Feed-through terminal block - UK 3 N - 3001501

## Technical data

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 5.2 mm  |
| Length           | 42.5 mm |
| Height NS 35/7,5 | 47 mm   |
| Height NS 35/15  | 54.5 mm |
| Height NS 32     | 52 mm   |

### Technical data

|                                  |   |
|----------------------------------|---|
| Maximum load current             | 32 A (with 4 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 60947-7-1   |
| Nominal current I <sub>N</sub>   | 24 A  |
| Nominal voltage U <sub>N</sub>   | 800 V   |
| Open side panel                  | ja  |

### Connection data

|   |                      |
|---|----------------------|
| 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/kcmil min.  | 24                   |
| Conductor cross section AWG/kcmil max.  | 12                   |
| Conductor cross section stranded min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.   | 2.5 mm <sup>2</sup>  |
| Min. AWG conductor cross section, stranded  | 24                   |
| Max. AWG conductor cross section, stranded  | 14                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve 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.  | 1.5 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.                                     | 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 - UK 3 N - 3001501

### Technical data

#### Connection data

|   |                      |
|---|----------------------|
| 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>    |
| Cross section with insertion bridge, stranded max.                                    | 2.5 mm <sup>2</sup>  |
| Connection method   | Screw connection     |
| Stripping length  | 8 mm                 |
| Screw thread  | M3                   |
| Tightening torque, min  | 0.6 Nm               |
| Tightening torque max   | 0.8 Nm               |

### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

#### UNSPSC

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

#### 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 |

### Approvals

#### Approvals

# Feed-through terminal block - UK 3 N - 3001501

## Approvals

### Approvals


CSA / UL Recognized / KEMA-KEUR / cUL Recognized / GOST / LR / GL / BV / DNV / RS / ABS / PRS / KR / NK / CCA / GOST / cULus Recognized


### Ex Approvals


IECEX / ATEX / FM approved / UL Recognized / cUL Recognized / GL / UL Recognized / cUL Recognized / INMETRO / cULus Recognized

### Approvals submitted

## Approval details


|   |       |
|---|-------|
| CSA  |       |
| mm <sup>2</sup> /AWG/kcmil  | 28-12 |
| Nominal current IN  | 20 A  |
| Nominal voltage UN  | 600 V |

|   |       |
|---|-------|
| UL Recognized  |       |
|   | C     |
| mm <sup>2</sup> /AWG/kcmil  | 28-12 |
| Nominal current IN  | 20 A  |
| Nominal voltage UN  | 600 V |

|   |       |
|---|-------|
| KEMA-KEUR  |       |
| mm <sup>2</sup> /AWG/kcmil  | 2.5   |
| Nominal current IN  | 24 A  |
| Nominal voltage UN  | 800 V |

# Feed-through terminal block - UK 3 N - 3001501

## Approvals

|  |       |
|--|-------|
| cUL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil   | 28-12 |
| Nominal current I <sub>N</sub>   | 20 A  |
| Nominal voltage U <sub>N</sub>   | 600 V |

|  |  |
|--|--|
| GOST  |  |
|--|--|

|                                |       |
|--------------------------------|-------|
| LR                             |       |
| mm <sup>2</sup> /AWG/kcmil     | 2.5   |
| Nominal current I <sub>N</sub> | 24 A  |
| Nominal voltage U <sub>N</sub> | 800 V |

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

|    |
|----|
| BV |
|----|

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

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

|                                |       |
|--------------------------------|-------|
| ABS                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 28-12 |
| Nominal current I <sub>N</sub> | 20 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|     |
|-----|
| PRS |
|-----|

|    |
|----|
| KR |
|----|

## Feed-through terminal block - UK 3 N - 3001501

### Approvals

NK

|                            |       |
|----------------------------|-------|
| CCA                        |       |
| mm <sup>2</sup> /AWG/kcmil | 2.5   |
| Nominal voltage UN         | 800 V |

GOST

cULus Recognized

### Accessories

#### Accessories

#### Assembly

End cover - D-UK 4/10 - 3003020



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

End cover - D-UK 4/10 BU - 3003101



End cover, Length: 42.5 mm, Width: 1.8 mm, Height: 47 mm, Color: blue

## Feed-through terminal block - UK 3 N - 3001501

### Accessories

Screw - ZSR - 2303608



Distance piece, metal, for branches of FB-150, with screw and thrust washer

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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

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Cover profile - EA 5-WS - 1024085



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

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Cover profile - EA 5 - 1024014



Single covers, color: transparent

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Separating plate - TS-K - 1302215



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

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## Feed-through terminal block - UK 3 N - 3001501

### Accessories

Partition plate - ATP-UK - 3003224



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

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DIN rail - 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 - 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 - 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 3 N - 3001501

### Accessories

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



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

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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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## Feed-through terminal block - UK 3 N - 3001501

### Accessories

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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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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## Feed-through terminal block - UK 3 N - 3001501

### 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 - 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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## Feed-through terminal block - UK 3 N - 3001501

### Accessories

End cap - NS 35/15 CAP - 1206573



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

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

End clamp - CLIPFIX 35 - 3022218



Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, 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, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, 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 3 N - 3001501

### 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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### Bridges

Fixed bridge - FBR 80-5-EX - 3000942



Fixed bridge, Number of positions: 80, Color: silver

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Fixed bridge - FBRI 20-5 N - 3000515



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

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Fixed bridge - FBRI 16-5 N - 3000476



Fixed bridge, Number of positions: 16, Color: silver

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## Feed-through terminal block - UK 3 N - 3001501

### Accessories

Fixed bridge - FBRI 12-5 N - 3000434



Fixed bridge, Number of positions: 12, Color: silver

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Fixed bridge - FBRI 2-5 N - 3000227



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

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Fixed bridge - FBRI 10-5 N - 2770642



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

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Fixed bridge - FBR 10-5-EX - 2303226



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

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Fixed bridge - FBRI 40-5 N - 3006823



Fixed bridge, Number of positions: 40, Color: silver

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## Feed-through terminal block - UK 3 N - 3001501

### Accessories

Insertion bridge - EBL 3- 5 - 2303158



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

Insertion bridge - EBL 2- 5 - 2303145



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

Insertion bridge - EBL 10- 5 - 2303132



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

Switching jumper - USBR 2-7 - 2303239



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

Switching jumper - USBRJ 2-7 - 2305538



Switching jumper, Color: silver

### Marking

## Feed-through terminal block - UK 3 N - 3001501

### Accessories

Warning label - WS 3- 5 - 0805357

Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 5 mm



Warning label - WS 4- 5 - 0805344

Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 5 mm



Warning label - WS 5- 5 - 0805331

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



Marker cards - SBS 5:UNBEDRUCKT - 1007219



Marker cards, Card, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 6 x 5.1 mm

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 5.1 x 10.5 mm



## Feed-through terminal block - UK 3 N - 3001501

### Accessories

#### Zack marker strip - ZB 5 CUS - 0824962



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 5.15 x 10.5 mm

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#### Marker for terminal blocks - UC-TM 5 - 0818108



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, Bluemark, Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 10.5 x 4.6 mm

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#### Marker for terminal blocks - UC-TM 5 CUS - 0824581



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: 5.2 mm, Lettering field: 10.5 x 4.6 mm

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#### Marker for terminal blocks - UCT-TM 5 - 0828734



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Thermomark C+, Thermomark C, BLUEMARK CLED, Bluemark, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 4.6 x 10.5 mm

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#### Marker for terminal blocks - UCT-TM 5 CUS - 0829595



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, Lettering field: 4.6 x 10.5 mm

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### Plug/Adapter

## Feed-through terminal block - UK 3 N - 3001501

### Accessories

Short-circuit connector - KSS 5 - 2303543



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

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Test plugs - PS-UK 3-5/Z-5 - 3001459

Test plug

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Test plugs - PS-UK 2,5 B/Z-5 - 3001226



Test plugs, Color: red

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Test plugs - PS-UK 2,5 B/E - 3001132



Test plugs, Color: red

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Reducing plug - RPS - 0201647



Reducing plug, Color: gray

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## Feed-through terminal block - UK 3 N - 3001501

### Accessories

Test plugs - MPS-MT - 0201744



Test plugs

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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

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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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## Feed-through terminal block - UK 3 N - 3001501

### Accessories

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



Female test connector, Color: silver

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



Female test connector, Color: silver

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### Drawings

## Feed-through terminal block - UK 3 N - 3001501

Circuit diagram

