

## Feed-through terminal block - USSTD 6 - 3070325

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Feed-through terminal block, Connection method: Screw connection with spring support, 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, NS 32

### Product Features

- ✓ Can be fitted on both sides with fixed bridges as well as test sockets with 4 mm diameter
- ✓ Terminal block and accessories are touch proof according to BGV A2



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 1       |
| Minimum order quantity               | 50 1      |
| Weight per Piece (excluding packing) | 23.09 GRM |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland    |

### Technical data

#### General

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| Number of levels                        | 1                                                      |
| Number of connections                   | 2                                                      |
| Color                                   | gray                                                   |
| Insulating material                     | PA                                                     |
| Inflammability class according to UL 94 | V0                                                     |
| Maximum load current                    | 57 A (with 10 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                     | 6 kV                                                   |
| Pollution degree                        | 3                                                      |
| Surge voltage category                  | III                                                    |
| Insulating material group               | I                                                      |
| Connection in acc. with standard        | IEC 60947-7-1                                          |

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## Technical data

### General

|                                                                                 |                                     |
|---------------------------------------------------------------------------------|-------------------------------------|
| Nominal current $I_N$                                                           | 41 A                                |
| Nominal voltage $U_N$                                                           | 500 V                               |
| Open side panel                                                                 | ja                                  |
| Shock protection test specification                                             | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection                                                     | guaranteed                          |
| Finger protection                                                               | guaranteed                          |
| Surge voltage test setpoint                                                     | 7.3 kV                              |
| Result of surge voltage test                                                    | Test passed                         |
| Power frequency withstand voltage setpoint                                      | 1.89 kV                             |
| Result of power-frequency withstand voltage test                                | Test passed                         |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                         |
| Bending test rotation speed                                                     | 10 rpm                              |
| Bending test turns                                                              | 135                                 |
| Bending test conductor cross section/weight                                     | 0.2 mm <sup>2</sup> / 0.2 kg        |
|                                                                                 | 6 mm <sup>2</sup> / 1.4 kg          |
|                                                                                 | 10 mm <sup>2</sup> / 2 kg           |
|                                                                                 | 2.5 mm <sup>2</sup> / 0.7 kg        |
| Result of bending test                                                          | Test passed                         |
| Conductor cross section tensile test                                            | 0.2 mm <sup>2</sup>                 |
| Tractive force setpoint                                                         | 10 N                                |
| Conductor cross section tensile test                                            | 6 mm <sup>2</sup>                   |
| Tractive force setpoint                                                         | 80 N                                |
| Conductor cross section tensile test                                            | 10 mm <sup>2</sup>                  |
| Tractive force setpoint                                                         | 90 N                                |
| Tensile test result                                                             | Test passed                         |
| Tight fit on carrier                                                            | NS 35/NS 32                         |
| Setpoint                                                                        | 5 N                                 |
| Result of tight fit test                                                        | Test passed                         |
| Requirements, voltage drop                                                      | ≤ 3.2 mV                            |
| Result of voltage drop test                                                     | Test passed                         |
| Temperature-rise test                                                           | Test passed                         |
| Conductor cross section short circuit testing                                   | 6 mm <sup>2</sup>                   |
| Short-time current                                                              | 0.72 A                              |
| Conductor cross section short circuit testing                                   | 10 mm <sup>2</sup>                  |
| Short-time current                                                              | 1.2 kA                              |
| Short circuit stability result                                                  | Test passed                         |

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### Technical data

#### General

|                                                                       |                                                     |
|-----------------------------------------------------------------------|-----------------------------------------------------|
| Proof of thermal characteristics (needle flame) effective duration    | 30 s                                                |
| Result of thermal test                                                | Test passed                                         |
| Test specification, oscillation, broadband noise                      | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Test spectrum                                                         | Service life test category 1, class B, body mounted |
| Test frequency                                                        | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| ASD level                                                             | 0.02 g <sup>2</sup> /Hz                             |
| Acceleration                                                          | 0.8 g                                               |
| Test duration per axis                                                | 5 h                                                 |
| Test directions                                                       | X-, Y- and Z-axis                                   |
| Oscillation, broadband noise test result                              | Test passed                                         |
| Test specification, shock test                                        | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Shock form                                                            | Half-sine                                           |
| Acceleration                                                          | 5 g                                                 |
| Shock duration                                                        | 30 ms                                               |
| Number of shocks per direction                                        | 3                                                   |
| Test directions                                                       | X-, Y- and Z-axis (pos. and neg.)                   |
| Shock test result                                                     | Test passed                                         |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C                                              |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 8.2 mm  |
| Length           | 82 mm   |
| Height NS 35/7,5 | 52 mm   |
| Height NS 35/15  | 59.5 mm |
| Height NS 32     | 57 mm   |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| 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/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 8                    |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                      | 6 mm <sup>2</sup>    |
| Min. AWG conductor cross section, stranded                                 | 24                   |
| Max. AWG conductor cross section, stranded                                 | 10                   |
| 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. | 6 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |

## Feed-through terminal block - USSTD 6 - 3070325

### Technical data

#### Connection data

|                                                                                         |                                      |
|-----------------------------------------------------------------------------------------|--------------------------------------|
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 6 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>                  |
| Connection method                                                                       | Screw connection with spring support |
| Stripping length                                                                        | 12 mm                                |
| Internal cylindrical gage                                                               | A5                                   |
| Screw thread                                                                            | M4                                   |
| Tightening torque, min                                                                  | 1.5 Nm                               |
| Tightening torque max                                                                   | 1.8 Nm                               |

### 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 |

#### ETIM

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

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |

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### Classifications

#### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 11    | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2  | 39121410 |

### Approvals

#### Approvals

#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

| UL Recognized  |       |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                                   | B     | C     | D     |
| mm²/AWG/kcmil                                                                                     | 24-10 | 24-10 | 24-10 |
| Nominal current I <sub>N</sub>                                                                    | 30 A  | 30 A  | 5 A   |
| Nominal voltage U <sub>N</sub>                                                                    | 300 V | 300 V | 600 V |

| cUL Recognized  |       |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                                    | B     | C     | D     |
| mm²/AWG/kcmil                                                                                      | 24-10 | 24-10 | 24-10 |
| Nominal current I <sub>N</sub>                                                                     | 30 A  | 30 A  | 5 A   |
| Nominal voltage U <sub>N</sub>                                                                     | 300 V | 300 V | 600 V |

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

## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

#### Accessories

#### Bridge

Fixed bridge - FBRI 10-8 N - 2772080



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

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#### Connector

Cable lug - C-BCI 1,5/2,8 - 3240015



Flat pin cable lug, red, 0.5 - 1.5 mm²,

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Cable lug - C-BCI 1,5/4,6 - 3240568



Flat pin cable lug, red, 0.5 - 1.5 mm²,

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Cable lug - C-BCI 2,5/2,8 - 3240046



Flat pin cable lug, blue, 1.5 - 2.5 mm²,

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### Accessories

Cable lug - C-BCI 2,5/4,6 - 3240569



Flat pin cable lug, blue, 1.5 - 2.5 mm²,

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Cable lug - C-BCI 6/2,8 SO - 3240057



Flat pin cable lug, with tab, soldered neck, yellow, 4 - 6 mm², pin width 2.8 mm, easy conductor entry with Easy-Entry, also for vertical compression with CRIMPFOX-RCI 6

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Cable lug - C-BCI 6/4,6 SO - 3240067



Flat pin cable lug, with tab, soldered neck, yellow, 4 - 6 mm², pin width 4.6 mm, easy conductor entry with Easy-Entry, also for vertical compression with CRIMPFOX-RCI 6

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### Crimping tool

Crimping pliers - CRIMPFOX-RCI 6 - 1212057



Crimping pliers, for insulated cable lugs, 0.75 - 6.0 mm² (red, blue, yellow), oval crimp, symmetrical

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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

## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

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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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#### 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 cover

##### End cover - D-USST 6-T - 3070367



End cover, Length: 82 mm, Width: 2.2 mm, Color: gray

## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

#### 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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### Mounting rail

#### 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

## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

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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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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

## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

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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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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## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

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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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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## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

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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### Partition plate

Partition plate - ATP-URTK/SP - 0311139



Partition plate, Length: 99 mm, Width: 2 mm, Height: 64 mm, Color: gray

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## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

#### Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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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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#### Short-circuit connector

Short-circuit connector - KSS 8 - 0311540



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

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Short-circuit connector - KSS 4- 8 - 0309549



Short-circuit connector, Number of positions: 4, Color: black

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#### Terminal marking

## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

#### 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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#### 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 - 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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### Test socket

#### Female test connector - PSBJ-URTK 6 FARBLOS - 3026450



Female test connector, Color: transparent

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#### Female test connector - PSBJ-URTK 6 RD - 3026719



Female test connector, Color: red

## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

Female test connector - PSBJ-URTK 6 BU - 3026434



Female test connector, Color: blue

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Female test connector - PSBJ-URTK 6 YE - 3026405



Female test connector, Color: yellow

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Female test connector - PSBJ-URTK 6 GN - 3026418



Female test connector, Color: green

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Female test connector - PSBJ-URTK 6 VT - 3026421



Female test connector, Color: violet

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Female test connector - PSBJ-URTK 6 GY - 3026612



Female test connector, Color: gray

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## Feed-through terminal block - USSTD 6 - 3070325

### Accessories

Female test connector - PSBJ-URTK 6 BK - 3026447



Female test connector, Color: black

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Female test connector - PSBJ-URTK 6 BN - 3026971



Female test connector, Color: brown

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### Drawings

Circuit diagram

