# Feed-through terminal block - UT 4-CB - 3044623

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Feed-through terminal block, with partition plate in the bridge shaft, Connection method: Screw connection, Number of positions: 1, Cross section: 0.14 mm² - 6 mm², AWG: 26 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

## Key commercial data

| | |
|---|---|
| **package_quantity** | 50 |
| **GTIN** | 4046356055505 |

## Technical data

### General

| | |
|---|---|
| **Note** | Note. In order to use bridges, the panel on the bridge shaft must be removed. |
| **Number of levels** | 1 |
| **Number of connections** | 2 |
| **Color** | gray |
| **Insulating material** | PA |
| **Inflammability class according to UL 94** | V0 |

### General

| | |
|---|---|
| **Maximum load current** | 41 A (with 6 mm² 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 $I_N$** | 32 A (with 4 mm² conductor cross section) |
| **Nominal voltage $U_N$** | 1000 V |
| **Open side panel** | ja |
| **Number of positions** | 1 |
| **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** | 9.8 kV |
| **Result of surge voltage test** | Test passed |
| **Power frequency withstand voltage setpoint** | 2.2 kV |

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## Technical data

### General

| | |
|---|---|
| **Result of power-frequency withstand voltage test** | Test passed |
| **Checking the mechanical stability of terminal points (5 x conductor connection)** | Test passed |
| **Bending test conductor cross section/weight** | 0.14 mm² / 0.2 kg |
| **Bending test conductor cross section/weight** | 4 mm² / 0.9 kg |
| **Bending test conductor cross section/weight** | 6 $mm^2$ / 1.4 kg |
| **Result of bending test** | Test passed |
| **Conductor cross section tensile test** | 0.14 mm² |
| **Tractive force setpoint** | 10 N |
| **Conductor cross section tensile test** | 4 mm² |
| **Tractive force setpoint** | 60 N |
| **Conductor cross section tensile test** | 6 mm² |
| **Tractive force setpoint** | 80 N |
| **Tensile test result** | Test passed |
| **Tight fit on carrier** | NS 35 |
| **Setpoint** | 1 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** | 4 mm² |
| **Short-time current** | 0.48 kA |
| **Conductor cross section short circuit testing** | 6 mm² |
| **Short-time current** | 0.72 kA |
| **Short circuit stability result** | Test passed |
| **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 Hz to $f_2$ = 150 Hz |
| **ASD level** | 0.02 $g^2$/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.) |

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## Technical data

### General

| | |
|---|---|
| **Shock test result** | Test passed |
| **Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))** | 120 °C |

### Dimensions

| | |
|---|---|
| **Width** | 6.2 mm |
| **Length** | 47.7 mm |
| **Height NS 35/7,5** | 47.5 mm |
| **Height NS 35/15** | 55 mm |

### Connection data

| | |
|---|---|
| **Conductor cross section solid min.** | 0.14 mm² |
| **Conductor cross section solid max.** | 6 mm² |
| **Conductor cross section AWG/kcmil min.** | 26 |
| **Conductor cross section AWG/kcmil max** | 10 |
| **Conductor cross section stranded min.** | 0.14 mm² |
| **Conductor cross section stranded max.** | 6 mm² |
| **Min. AWG conductor cross section, stranded** | 26 |
| **Max. AWG conductor cross section, stranded** | 10 |
| **Conductor cross section stranded, with ferrule without plastic sleeve min.** | 0.14 mm² |
| **Conductor cross section stranded, with ferrule without plastic sleeve max.** | 4 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve min.** | 0.14 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve max.** | 4 mm² |
| **2 conductors with same cross section, solid min.** | 0.14 mm² |
| **2 conductors with same cross section, solid max.** | 1.5 mm² |
| **2 conductors with same cross section, stranded min.** | 0.14 mm² |
| **2 conductors with same cross section, stranded max.** | 1.5 mm² |
| **2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.** | 0.5 mm² |
| **2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.** | 2.5 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.** | 0.14 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.** | 1.5 mm² |
| **Connection method** | Screw connection |
| **Stripping length** | 9 mm |
| **Internal cylindrical gage** | A4 |
| **Screw thread** | M3 |
| **Tightening torque, min** | 0.6 Nm |
| **Tightening torque max** | 0.8 Nm |

# Feed-through terminal block - UT 4-CB - 3044623

## 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 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 |
| **UNSPSC 13.2** | 39121410 |

## approvals

UL Recognized /

### Approval details

**UL Recognized**

| **Usegroups** | **B** | **C** | |
|---|---|---|---|
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 30 A | 30 A | |
| mm²/AWG/kcmil | 26-10 | 26-10 | |

## accessories

**End cover**

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## accessories

D-UT 2,5/10 - 3047028



DP PS-6 - 3036738



**Partition plate**

ATP-UT - 3047167



**Screwdriver tools**

SZS 0,6X3,5 - 1205053



**Marker pen**

X-PEN 0,35 - 0811228



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## accessories

**Bridge**

FBS 2-6 - 3030336



FBS 3-6 - 3030242



FBS 4-6 - 3030255



FBS 5-6 - 3030349



FBS 10-6 - 3030271



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## accessories

FBS 20-6 - 3030365



FBS 50-6 - 3032224



**Mounting rail**

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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## accessories

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



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



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



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



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



NS 35/ 7,5 CAP - 1206560



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## accessories

NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



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## accessories

NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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



**Terminal marking**

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## accessories

ZB 6:UNBEDRUCKT - 1051003



UC-TM 6 - 0818085



UCT-TM 6 - 0828736



**Labeled terminal marker**

ZB 6 CUS - 0824992



UC-TM 6 CUS - 0824589



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## accessories

UCT-TM 6 CUS - 0829602



**Test plug terminal block**

MPS-MT - 0201744



PAI-4-FIX-5/6 BU - 3035975



PAI-4-FIX-5/6 OG - 3035974



PAI-4-FIX-5/6 YE - 3035977



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## accessories

PAI-4-FIX-5/6 RD - 3035976



PAI-4-FIX-5/6 GN - 3035978



PAI-4-FIX-5/6 BK - 3035980



PAI-4-FIX-5/6 GY - 3035982



PAI-4-FIX-5/6 VT - 3035979



PAI-4-FIX-5/6 BN - 3035981



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## accessories

PS-6 - 3030996



PS-6/2,3MM RD - 3038736



**Insulating sleeve**

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



# Feed-through terminal block - UT 4-CB - 3044623

## accessories

MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



**End block**

CLIPFIX 35 - 3022218



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## accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



## Drawings

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