# Knife disconnect terminal block - UT 6-MT P/P - 3064072

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Knife disconnect terminal block, Connection type: Screw connection, Cross section: 0.2 mm² - 10 mm², AWG: 24 - 8, Nominal current: 20 A, Nominal voltage: 500 V, Length: 57.8 mm, Width: 8.2 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

## Product Features

- Compact design and high current carrying capacity of 20 A
- Double bridge shaft enables individual potential distribution and supply

## Key commercial data

| | |
|---|---|
| **package_quantity** | 50 |
| **GTIN** | 4046356285728 |

## Technical data

### General

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

### General

| | |
|---|---|
| **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 |
| **Nominal current $I_N$** | 20 A |
| **Nominal voltage $U_N$** | 500 V |
| **Open side panel** | nein |
| **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 |

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## Technical data

### General

| | |
|---|---|
| **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 mm² / 0.2 kg |
| **Bending test conductor cross section/weight** | 6 $mm^2$ / 1.4 kg |
| **Bending test conductor cross section/weight** | 10 mm² / 2 kg |
| **Result of bending test** | Test passed |
| **Conductor cross section tensile test** | 0.2 mm² |
| **Tractive force setpoint** | 10 N |
| **Conductor cross section tensile test** | 6 mm² |
| **Tractive force setpoint** | 80 N |
| **Conductor cross section tensile test** | 10 mm² |
| **Tractive force setpoint** | 90 N |
| **Tensile test result** | Test passed |
| **Tight fit on carrier** | NS 35 |
| **Setpoint** | 5 N |
| **Result of tight fit test** | Test passed |
| **Result of voltage drop test** | Test passed |
| **Temperature-rise test** | Test passed |
| **Conductor cross section short circuit testing** | 2.5 mm² |
| **Short-time current** | 0.3 kA |
| **Short circuit stability result** | Test passed |
| **Proof of thermal characteristics (needle flame) effective duration** | 30 s |
| **Result of thermal test** | Test passed |
| **Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))** | 120 °C |

### Dimensions

| | |
|---|---|
| **Width** | 8.2 mm |
| **Length** | 57.8 mm |
| **Height NS 35/7,5** | 49.1 mm |
| **Height NS 35/15** | 56.6 mm |

### Connection data

| | |
|---|---|
| **Conductor cross section solid min.** | 0.2 mm² |
| **Conductor cross section solid max.** | 10 mm² |
| **Conductor cross section AWG/kcmil min.** | 24 |
| **Conductor cross section AWG/kcmil max** | 8 |
| **Conductor cross section stranded min.** | 0.2 mm² |
| **Conductor cross section stranded max.** | 10 mm² |
| **Min. AWG conductor cross section, stranded** | 24 |

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## Technical data

### Connection data

| | |
|---|---|
| **Max. AWG conductor cross section, stranded** | 8 |
| **Conductor cross section stranded, with ferrule without plastic sleeve min.** | 0.25 mm² |
| **Conductor cross section stranded, with ferrule without plastic sleeve max.** | 6 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve min.** | 0.25 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve max.** | 6 mm² |
| **2 conductors with same cross section, solid min.** | 0.2 mm² |
| **2 conductors with same cross section, solid max.** | 2.5 mm² |
| **2 conductors with same cross section, stranded min.** | 0.2 mm² |
| **2 conductors with same cross section, stranded max.** | 2.5 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.** | 4 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.** | 0.25 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.** | 1.5 mm² |
| **Connection method** | Screw connection |
| **Stripping length** | 10 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** | 27141117 |
| **eCl@ss 4.1** | 27141117 |
| **eCl@ss 5.0** | 27141126 |
| **eCl@ss 5.1** | 27141126 |
| **eCl@ss 6.0** | 27141126 |
| **eCl@ss 7.0** | 27141126 |
| **eCl@ss 8.0** | 27141126 |

### ETIM

| | |
|---|---|
| **ETIM 2.0** | EC000902 |
| **ETIM 3.0** | EC000902 |
| **ETIM 4.0** | EC000902 |
| **ETIM 5.0** | EC000902 |

# Knife disconnect terminal block - UT 6-MT P/P - 3064072

## classifications

### UNSPSC

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

## approvals

UL Recognized / cUL Recognized / CSA / cULus Recognized /

### Approval details

**UL Recognized**

| Usegroups | B | C | D |
|---|---|---|---|
| Nominal voltage UN | 300 V | 300 V | 600 V |
| Nominal current IN | 20 A | 20 A | 5 A |
| mm²/AWG/kcmil | 24-8 | 24-8 | 24-8 |

**cUL Recognized**

| Usegroups | B | C | D |
|---|---|---|---|
| Nominal voltage UN | 300 V | 300 V | 600 V |
| Nominal current IN | 20 A | 20 A | 5 A |
| mm²/AWG/kcmil | 24-8 | 24-8 | 24-8 |

**CSA**

| Usegroups | B | C | D |
|---|---|---|---|
| Nominal voltage UN | 300 V | 300 V | 600 V |
| Nominal current IN | 16 A | 16 A | 5 A |
| mm²/AWG/kcmil | 24-8 | 24-8 | 24-8 |

**cULus Recognized**

# Knife disconnect terminal block - UT 6-MT P/P - 3064072

## accessories

### Partition plate

ATP-UT-TWIN - 3047183



### Screwdriver tools

SZS 1,0X4,0 VDE - 1205066



### Marker pen

X-PEN 0,35 - 0811228



### Bridge

FBS 2-8 - 3030284



FBS 3-8 - 3030297



# Knife disconnect terminal block - UT 6-MT P/P - 3064072

## accessories

FBS 4-8 - 3030307



FBS 5-8 - 3030310



RB UT 6-(2,5/4) - 3047251



RB UT 6-ST(2,5/4) - 3047264



FBS 6-8 - 3032470



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## accessories

FBSRH 2-8 - 3033802



FBSRH 3-8 - 3033803



FBSRH 4-8 - 3033804



**Mounting rail**

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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## accessories

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



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



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## accessories

NS 35/ 7,5 CAP - 1206560



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



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## accessories

NS 35/15 AL UNPERF 2000MM - 1201756



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



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accessories

**Terminal marking**

ZB 8:UNBEDRUCKT - 1052002



UC-TM 8 - 0818072



UCT-TM 8 - 0828740



**Labeled terminal marker**

ZB 8 CUS - 0825011



UC-TM 8 CUS - 0824597



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## accessories

UCT-TM 8 CUS - 0829616



**Test plug terminal block**

MPS-MT - 0201744



PAI-4-FIX BU - 3032729



PAI-4-FIX OG - 3034455



PAI-4-FIX YE - 3032745



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## accessories

PAI-4-FIX RD - 3032732



PAI-4-FIX GN - 3032758



PAI-4-FIX BK - 3032774



PAI-4-FIX GY - 3032790



PAI-4-FIX VT - 3032761



PAI-4-FIX BN - 3032787



# Knife disconnect terminal block - UT 6-MT P/P - 3064072

## accessories

**Insulating sleeve**

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



# Knife disconnect terminal block - UT 6-MT P/P - 3064072

## accessories

MPS-IH GY - 0201728



MPS-IH BK - 0201731



**End block**

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



## Drawings

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