# Feed-through terminal block - QTCU 2,5-TWIN BU - 3050316

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Feed-through terminal block, Connection type: Quick connection, Screw connection, Cross section: 0.5 mm² - 2.5 mm², AWG :20- 14, Width: 6.2 mm, Color: blue, Mounting: NS 35/7,5, NS 35/15

## Why buy this product

- The hybrid versions combine the advantages of the different connection technologies
- The time-saving QUICKON fast connection is used on the control cabinet side
- The screw connection is used on the connection side

## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 STK |
| GTIN | 4 046356 056151 |

## Technical data

### General

| | |
|---|---|
| Number of levels | 1 |
| Number of connections | 3 |
| Nominal cross section | 2.5 mm² |
| 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 |
| Ambient temperature (actuation) | -10 °C ... 90 °C |
| Connection method | Quick connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 24 A (with a 2.5 mm² conductor cross section) |

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## Technical data

### General

| | |
|---|---|
| Nominal current $I_N$ | 24 A |
| Nominal voltage $U_N$ | 800 V |
| Connection method | Screw connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 24 A (with 2.5 mm² conductor connection cross section) |
| Nominal current $I_N$ | 24 A |
| Nominal voltage $U_N$ | 800 V |
| Open side panel | Yes |

### Dimensions

| | |
|---|---|
| Width | 6.2 mm |
| Length | 82.5 mm |
| Height NS 35/7,5 | 42.8 mm |
| Height NS 35/15 | 50.3 mm |
| End cover width | 2.2 mm |

### Connection data

| | |
|---|---|
| Connection method | Quick connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Max. wire diameter incl. insulation | 3.8 mm |
| Conductor cross section solid min. | 0.5 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 14 |
| Conductor cross section flexible min. | 0.5 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| Min. AWG conductor cross section, flexible | 20 |
| Max. AWG conductor cross section, flexible | 14 |
| Nominal current $I_N$ | 24 A |
| Maximum load current | 24 A (with a 2.5 mm² conductor cross section) |
| Nominal voltage $U_N$ | 800 V |
| Connection in acc. with standard | IEC/EN 60079-7 |
| Test certificate name | KEMA 05ATEX2148 U |
| Maximum load current | 22 A (with a 2.5 mm² conductor cross section) |
| Nominal voltage $U_N$ | 550 V |
| Material wire insulation | PVC / PE |
| Connection method | Screw connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

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## Technical data

### Connection data

| | |
|---|---|
| Stripping length | 9 mm |
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 6 mm² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 10 |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 4 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 4 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, 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, ferrules without plastic sleeve, min. | 0.14 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, 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 |
| Nominal current $I_N$ | 24 A |
| Maximum load current | 24 A (with 2.5 mm² conductor connection cross section) |
| Nominal voltage $U_N$ | 800 V |

### Standards and Regulations

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

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141130 |
| eCl@ss 4.1 | 27141130 |
| eCl@ss 5.0 | 27141130 |
| eCl@ss 5.1 | 27141130 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |

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## Classifications

### eCl@ss

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

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / GL / DNV / EAC / LR / cULus Recognized

Ex Approvals

IECEx / ATEX / EAC Ex

Approvals submitted

### Approval details

UL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 20-14 | 20-14 |
| Nominal current IN | 15 A | 15 A |
| Nominal voltage UN | 600 V | 600 V |

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## Approvals

cUL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 20-14 | 20-14 |
| Nominal current IN | 15 A | 15 A |
| Nominal voltage UN | 600 V | 600 V |

GL

DNV

EAC

LR

cULus Recognized

## Drawings

Circuit diagram





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