

## Feed-through terminal block - UK 35 N BU - 3058350

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Feed-through terminal block, Connection method: Screw connection, Cross section: 10 mm<sup>2</sup> - 35 mm<sup>2</sup>, AWG: 8 - 2, Width: 16 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15


The illustration shows the gray color version

### Why buy this product

- The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- Optimum screwdriver guidance through closed screw shafts



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 STK  |
| GTIN                                 | <br>4 046356 477284 |
| GTIN                                 | 4046356477284   |
| Weight per Piece (excluding packing) | 54.060 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | China   |

### Technical data

#### General

|  |                    |
|--|--------------------|
| Number of levels                       | 1                  |
| Number of connections                  | 2                  |
| Potentials                             | 1                  |
| Nominal cross section                  | 35 mm <sup>2</sup> |
| Color                                  | blue               |
| Insulating material                    | PA                 |
| Flammability rating according to UL 94 | V0                 |
| Rated surge voltage                    | 8 kV               |
| Degree of pollution                    | 3                  |

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## Technical data

### General

|   |   |
|---|---|
| Overvoltage category  | III   |
| Insulating material group   | I   |
| Maximum load current  | 125 A   |
| Nominal current I <sub>N</sub>  | 125 A   |
| Nominal voltage U <sub>N</sub>  | 1000 V  |
| Open side panel   | No  |
| Terminal block mounting   | 2.5 Nm ... 3 Nm (PE foot with mounting screw, M5) |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C  |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C  |
| Static insulating material application in cold                          | -60 °C  |
| Behavior in fire for rail vehicles (DIN 5510-2)                         | Test passed                                       |
| Flame test method (DIN EN 60695-11-10)                                  | V0  |
| Oxygen index (DIN EN ISO 4589-2)  | >32 %   |
| NF F16-101, NF F10-102 Class I  | 2   |
| NF F16-101, NF F10-102 Class F  | 2   |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed  |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed  |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed  |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg  |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3                                       |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 3                                       |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 3                                       |
| Fire protection for rail vehicles (DIN EN 45545-2) R26                  | HL 1 - HL 3                                       |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 16 mm   |
| Length           | 54.5 mm |
| Height NS 35/7,5 | 62 mm   |
| Height NS 35/15  | 69.5 mm |

### Connection data

|  |                    |
|--|--------------------|
| Note                                       | Terminal point     |
| Connection method                          | Screw connection   |
| Connection in acc. with standard           | IEC 60947-7-1      |
| Conductor cross section solid min.         | 10 mm <sup>2</sup> |
| Conductor cross section solid max.         | 35 mm <sup>2</sup> |
| Conductor cross section AWG min.           | 8                  |
| Conductor cross section AWG max.           | 2                  |
| Conductor cross section flexible min.      | 10 mm <sup>2</sup> |
| Conductor cross section flexible max.      | 35 mm <sup>2</sup> |
| Min. AWG conductor cross section, flexible | 8                  |

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## Technical data

### Connection data

|   |                    |
|---|--------------------|
| Max. AWG conductor cross section, flexible  | 2                  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 10 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 35 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 10 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 35 mm <sup>2</sup> |
| 2 conductors with same cross section, solid min.  | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.  | 16 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                     | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 10 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 10 mm <sup>2</sup> |
| Stripping length  | 16 mm              |
| Screw thread  | M6                 |
| Tightening torque, min  | 3.2 Nm             |
| Tightening torque max   | 3.7 Nm             |

### Standards and Regulations

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

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Circuit diagram



## 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 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27141120 |
| 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 |
| ETIM 6.0 | EC000897 |

### UNSPSC

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

## Approvals

### Approvals

Approvals

EAC / EAC

Ex Approvals

### Approval details

|     |  |                     |
|-----|--|---------------------|
| EAC |  | 7500651.22.01.00246 |
|-----|--|---------------------|

|     |  |               |
|-----|--|---------------|
| EAC |  | EAC-Zulassung |
|-----|--|---------------|

## Accessories

Accessories

Cover profile

## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

Cover profile - AP 3 CM - 5022876



Cover profile for covering terminal strips, snaps onto AP 3-TU, AP 3-TNS 35 cover profile carriers, can be labeled with AP-ES insert strip. A cover profile carrier is to be positioned at the ends and at intervals of around approx. 40 cm. Supply length: As per customer order

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### Cover profile carrier

Cover profile carrier - AP 3-TNS 35 - 5022672



Sealable cover profile, for mounting on NS 35/7.5 DIN rail and for fixing the cover profile AP 3, with plastic knurled nut M5, space requirement: 13 mm

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### DIN rail

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



DIN rail 35 mm (NS 35)

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### Accessories

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

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DIN rail perforated - 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, unperforated - 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, unperforated - 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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## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

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, unperforated - 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 perforated - 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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## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

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 perforated - 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, unperforated - 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, unperforated - 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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## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

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



DIN rail, unperforated, Width: 35 mm, Height: 15 mm, Length: 2000 mm, Color: silver

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### End block

End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray

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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 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

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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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## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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### Insertion bridge

Insertion bridge - EB 2-15 - 0203166



Insertion bridge, Pitch: 15.25 mm, Number of positions: 2, Color: gray

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### Insulating sleeve

Insulating sleeve - PS-IH WH - 0311566



Insulating sleeve, Color: white

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Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, Color: red

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Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, Color: blue

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## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

Insulating sleeve - PS-IH YE - 0311595



Insulating sleeve, Color: yellow

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Insulating sleeve - PS-IH GN - 0311605



Insulating sleeve, Color: green

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Insulating sleeve - PS-IH GY - 0311621



Insulating sleeve, Color: gray

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Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, Color: black

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Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, Color: violet

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Labeled terminal marker

## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

#### Zack marker strip - ZB 16 CUS - 0827463



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 16.3 mm, Lettering field: 10.5 x 16.25 mm

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#### Zack marker strip - ZB 16,LGS:L1-N,PE - 0827462



Zack marker strip, Strip, white, labeled, Printed horizontally: L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 16.3 mm, Lettering field: 10.5 x 16.25 mm

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#### Marker for terminal blocks - UC-TM 16 CUS - 0824621



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: 16 mm, Lettering field: 15.45 x 10.5 mm

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#### Marker for terminal blocks - UCT-TM 16 CUS - 0829637



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: 16 mm, Lettering field: 14.8 x 9.6 mm

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### Screwdriver tools

#### Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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### Switching jumper

## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

Switching jumper - SBH 2-15 - 0205232



Switching jumper, Pitch: 15 mm, Number of positions: 2, Color: silver

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### Terminal marking

Zack marker strip - ZB 16:UNPRINTED - 0827461



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into tall marker groove, for terminal block width: 16 mm, Lettering field: 16 x 10.5 mm

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Marker for terminal blocks - UC-TM 16 - 0819217



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into tall marker groove, for terminal block width: 16 mm, Lettering field: 15.45 x 10.5 mm

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Marker for terminal blocks - UCT-TM 16 - 0829146



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 16 mm, Lettering field: 14.8 x 9.6 mm

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### Test plug terminal block

Test plugs - PS-MT - 0311647



Test plugs, Color: silver

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### Test socket

## Feed-through terminal block - UK 35 N BU - 3058350

### Accessories

Female test connector - PSB 6/5/6 - 0205290



Female test connector, Color: silver

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