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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Trunk line branch terminal - UDB 2X35/25 GY - 3071350

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Trunk line branch terminal, Connection method: Screw connection, Screw connection, Number of connections: 4, Number of positions: 1, Cross section: 10 mm<sup>2</sup> - 35 mm<sup>2</sup>, AWG: 8 - 2, Width: 27 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

### Why buy this product

- The branch terminal is suitable for the simple voltage pick-off of main supply cables
- Conformance with DIN VDE 0603-2/EN 60998-1

### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 5 STK         |
| GTIN         |               |
| GTIN         | 4046356735858 |

### Technical data

#### General

|   |                    |
|---|--------------------|
| Number of positions                             | 1                  |
| Number of levels                                | 1                  |
| Number of connections                           | 4                  |
| Potentials                                      | 1                  |
| Nominal cross section                           | 35 mm <sup>2</sup> |
| Color   | gray               |
| 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                  |
| Maximum power dissipation for nominal condition | 4.06 W             |
| Maximum load current                            | 125 A              |

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## Technical data

### General

|                       |                     |
|-----------------------|---------------------|
| Nominal current $I_N$ | 125 A               |
| Nominal voltage $U_N$ | 400 V (Max. 1000 V) |
| Open side panel       | No                  |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 27 mm   |
| Length           | 55 mm   |
| Height NS 35/7,5 | 46 mm   |
| Height NS 35/15  | 53.5 mm |

### Connection data

|  |                                      |
|--|--------------------------------------|
| Connection method  | Screw connection                     |
| Connection in acc. with standard   | IEC 60998-1                          |
| Note   | Use ferrules for stranded conductors |
| 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.                                      | 25 mm <sup>2</sup>                   |
| Min. AWG conductor cross section, flexible                                 | 8                                    |
| Max. AWG conductor cross section, flexible                                 | 3                                    |
| 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. | 25 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.    | 16 mm <sup>2</sup>                   |
| Stripping length   | 25 mm                                |
| Screw thread   | M6/M8                                |
| Tightening torque max  | 4 Nm                                 |
| Connection method  | Screw connection                     |
| Connection in acc. with standard   | IEC 60998-1                          |
| Conductor cross section solid min.   | 1.5 mm <sup>2</sup>                  |
| Conductor cross section solid max.   | 25 mm <sup>2</sup>                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1.5 mm <sup>2</sup>                  |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm <sup>2</sup>                   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 1.5 mm <sup>2</sup>                  |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 10 mm <sup>2</sup>                   |
| Stripping length   | 25 mm                                |

### Standards and Regulations

|                                  |             |
|----------------------------------|-------------|
| Connection in acc. with standard | IEC 60998-1 |
|                                  | IEC 60998-1 |

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## Technical data

### Standards and Regulations

|  |    |
|--|----|
| 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



## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

|     |  |                     |
|-----|--|---------------------|
| EAC |  | 7500651.22.01.00246 |
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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>