

## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[1739540000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



#### General ordering data

|                  |                                                                                                |
|------------------|------------------------------------------------------------------------------------------------|
| Order No.        | 1739540000                                                                                     |
| Part designation | ZDU 10S                                                                                        |
| Version          | Feed-through terminal, 10 mm <sup>2</sup> , Clamping yoke connection, Wemid, dark beige, TS 35 |
| EAN              | 4008190957001                                                                                  |
| Qty.             | 25 pc(s).                                                                                      |

#### Product notes

|                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| Note, ordering data  | Spacing between mounting plates should be 200mm.                             |
| Note, technical data | The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S). |
| Product description  | N-cross-connections with busbar system 10 x 3 mm.                            |

#### Additional technical data

|                                                  |                          |
|--------------------------------------------------|--------------------------|
| Colour of insulating material                    | dark beige               |
| Connection direction                             | Inclined / angled        |
| End plate required                               | Yes                      |
| Explosion-tested version "Ex e"                  | No                       |
| Installation advice                              | TS 35                    |
| Insulating material                              | Wemid                    |
| Levels cross-connected internally                | No                       |
| No. of identical terminals                       | 1                        |
| No. of levels                                    | 1                        |
| No. of terminal strips per level                 | 2                        |
| Open sides                                       | right                    |
| Operating temperature range                      | - 50 °C, + 120 °C        |
| Product family                                   | Z-series                 |
| Type of connection                               | Tension clamp connection |
| Type of mounting                                 | Snap-on                  |
| UL 94 flammability rating of insulation material | V-0                      |
| Version                                          | Feed-through terminal    |

#### CSA rating data

|                          |        |
|--------------------------|--------|
| Voltage (CSA)            | 300 V  |
| CSA current              | 55 A   |
| Min. cross-section (CSA) | AWG 16 |
| Max. cross-section (CSA) | AWG 6  |

#### Conductors for clamping (additional connection)

|                                              |                     |
|----------------------------------------------|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 1.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 10 mm <sup>2</sup>  |

#### Conductors for clamping (rated connection)

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| Clamping range, min.                                         | 1.3 mm <sup>2</sup>      |
| Clamping range, max.                                         | 16 mm <sup>2</sup>       |
| Type of connection                                           | Clamping yoke connection |
| Connection direction                                         | Inclined / angled        |
| Stripping length                                             | 18 mm                    |
| Blade size                                                   | 1.0 x 5.5 mm             |
| Gauge to IEC 60947-1                                         | A6                       |
| Solid, min.                                                  | 1.5 mm <sup>2</sup>      |
| Solid, max.                                                  | 16 mm <sup>2</sup>       |
| Stranded, min.                                               | 1.5 mm <sup>2</sup>      |
| Stranded, max.                                               | 16 mm <sup>2</sup>       |
| Flexible, min.                                               | 1.5 mm <sup>2</sup>      |
| Flexible, max.                                               | 10 mm <sup>2</sup>       |
| Flexible with ferrule, min. (DIN 46228/1)                    | 1.5 mm <sup>2</sup>      |
| Flexible with ferrule, max. (DIN 46228/1)                    | 10 mm <sup>2</sup>       |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 1.5 mm <sup>2</sup>      |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 10 mm <sup>2</sup>       |
| AWG conductor size, min.                                     | AWG 16                   |
| AWG conductor size, max.                                     | AWG 6                    |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 10 mm   |
| Height of lowest version | 48.5 mm |
| Length                   | 86.5 mm |
| TS 35 offset             | 38 mm   |

#### Distribution terminals

|                   |   |
|-------------------|---|
| No. of potentials | 1 |
|-------------------|---|

#### N-conductor disconnect terminal

|              |           |
|--------------|-----------|
| For N-busbar | 3 x 10 mm |
|--------------|-----------|

#### Rating data

|                             |                    |
|-----------------------------|--------------------|
| Rated cross-section         | 10 mm <sup>2</sup> |
| Rated voltage               | 400 V              |
| Rated impulse voltage       | 6 kV               |
| Rated current               | 57 A               |
| Standards                   | IEC 60947-7-1      |
| Current with max. conductor | 76 A               |
| Pollution severity          | 3                  |

#### UL rating data

|              |       |
|--------------|-------|
| Voltage (UL) | 300 V |
| Current (UL) | 60 A  |

#### UL rating data

|                         |        |
|-------------------------|--------|
| Min. cross-section (UL) | AWG 16 |
| Max. cross-section (UL) | AWG 6  |

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| eClass 4.1 | 27-14-11-20 |
| eClass 5.0 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 |

#### Similar products

| Order No.  | Part designation | Version                                                                                         |
|------------|------------------|-------------------------------------------------------------------------------------------------|
| 1808010000 | ZDU 2.5 S        | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1808020000 | ZDU 2.5 S BL     | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35       |
| 1808360000 | ZDU 4 S          | Feed-through terminal, 4 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35   |
| 1808370000 | ZDU 4 S BL       | Feed-through terminal, 4 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35         |
| 1808230000 | ZDU 6 S          | Feed-through terminal, 6 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35   |
| 1808240000 | ZDU 6 S BL       | Feed-through terminal, 6 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35         |
| 1739550000 | ZDU 10S BL       | Feed-through terminal, 10 mm <sup>2</sup> , Clamping yoke connection, Wemid, blue, TS 35        |
| 1739580000 | ZDU 16S          | Feed-through terminal, 16 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35  |
| 1739590000 | ZDU 16S BL       | Feed-through terminal, 16 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35        |