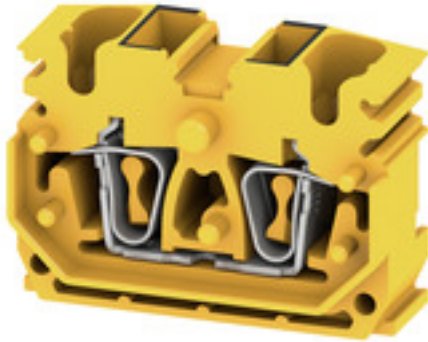


**ZDUB 2.5-2/4AN/DM GE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, yellow, Direct mounting |
| Order No.  | <a href="#">1704570000</a>                                                                                                    |
| Type       | ZDUB 2.5-2/4AN/DM GE                                                                                                          |
| GTIN (EAN) | 4008190948313                                                                                                                 |
| Qty.       | 100 pc(s).                                                                                                                    |

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 24 mm   | Depth (inches)  | 0.945 inch |
| Height     | 33.5 mm | Height (inches) | 1.319 inch |
| Width      | 10.2 mm | Width (inches)  | 0.402 inch |
| Net weight | 7.57 g  |                 |            |

**Temperatures**

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C        |

**Material data**

|                           |       |        |        |
|---------------------------|-------|--------|--------|
| Material                  | Wemid | Colour | yellow |
| UL 94 flammability rating | V-0   |        |        |

**Rating data IECEx/ATEX**

|                                |                     |                                 |                     |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX)         | DEMKO16ATEX1808U    | Certificate No. (IECEX)         | IECEXULD16.0036U    |
| Max. voltage (ATEX)            | 550 V               | Current (ATEX)                  | 21 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 21 A                | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb       | Ex 2014/34/EU label             | II 2 G D            |

**System specifications**

|                                     |                                                                                                |                               |     |
|-------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Tension-clamp connection, can only be bridged at the clamping point, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                              | Number of levels              | 1   |
| Number of clamping points per level | 4                                                                                              | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes                                                                                            | PE connection                 | No  |
| Rail                                | TS 35                                                                                          | N-function                    | No  |
| PE function                         | No                                                                                             | PEN function                  | No  |

**Additional technical data**

|                          |       |                     |                 |
|--------------------------|-------|---------------------|-----------------|
| Explosion-tested version | Yes   | Installation advice | Direct mounting |
| Open sides               | right | Type of mounting    | Direct mounting |

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-379 | Current size C (CSA)          | 25 A   |
| Voltage size C (CSA)          | 600 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

**Conductors for clamping (additional connection)**

|                                        |                          |
|----------------------------------------|--------------------------|
| Connection type, additional connection | Tension-clamp connection |
|----------------------------------------|--------------------------|

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**Technical data****Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>        |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup>  | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | A2                   | Number of connections                                                                   | 4                        |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26                   |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>      |

**Dimensions**

|              |       |
|--------------|-------|
| TS 15 offset | 17 mm |
|--------------|-------|

**General**

|                                         |                 |                                         |        |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26          |                                         |        |

**Rating data**

|                                              |                     |                                 |               |
|----------------------------------------------|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 800 V         |
| Rated DC voltage                             | 800 V               | Rated current                   | 24 A          |
| Current at maximum wires                     | 30 A                | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3             |

**UL rating data**

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size C (cURus)                     | 20 A   |
| Voltage size C (cURus)                     | 600 V  |                                            |        |

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## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 9.0  | 27-14-11-20 |
| ECLASS 9.1  | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |
| ECLASS 13.0 | 27-25-01-01 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

Approvals



|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID           | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319231/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319231/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                      | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UL File Number Search     | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Certificate No. (cURus)   | E60693                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Certificate No. (cURusEX) | E184763                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">UKCA Ex Attestation of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEx Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                     |
| User Documentation                          | <a href="#">Beipackzettel_ZDUB.pdf</a><br><a href="#">NTI ZDUB 2.5-2/4AN/DM/DB</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                                                               |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                            |

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## Drawings

