

# Data sheet

## 1708.2 ZIKD 2,5 Ex BG



Ex triple-level terminal ATEX-certified, Tension-spring connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 2.5 mm², Width: 5.1 mm, Colour: Beige

### Business data

|                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| Article number                             | 1708.2                                  |
| Article name                               | ZIKD 2,5 Ex BG                          |
| GTIN (EAN)                                 | 4044211107932                           |
| Explosion-proof version (EEx e)            | yes                                     |
| Packaging unit                             | 50                                      |
| Quantity unit                              | PC                                      |
| Weight per piece (not including packaging) | 21.8 g                                  |
| Weight per piece (including packaging)     | 23.75 g                                 |
| Unit of weight                             | G                                       |
| Customs number                             | 85369010                                |
| Country of origin                          | DE                                      |
| Prio-Article                               | 1708.2                                  |
| Product description                        | Ex triple-level terminal ATEX-certified |

### Technical data

#### Dimensions

|                  |          |
|------------------|----------|
| Length           | 116.2 mm |
| Width            | 5.1 mm   |
| Height TS 35/7.5 | 68 mm    |

#### Ratings

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Rated voltage                                   | 500 V               |
| Rated current                                   | 24 A                |
| Rated cross-section                             | 2.5 mm <sup>2</sup> |
| Rated impulse voltage                           | 6 kV                |
| Overvoltage category                            | III                 |
| Contamination degree                            | 3                   |
| Maximum power dissipation for nominal condition | 2.3 W               |

#### Connection data

|                                                          |                           |
|----------------------------------------------------------|---------------------------|
| Connection principle                                     | Tension-spring connection |
| Connection position                                      | Top                       |
| Connections                                              | 3 x 2                     |
| Number of terminals per level                            | 2                         |
| Number of levels                                         | 3                         |
| Wire cross-section single-core (rigid) / stranded, min.  | 0.5 mm <sup>2</sup>       |
| Wire cross-section single core (rigid)/stranded, max.    | 4 mm <sup>2</sup>         |
| Wire cross-section stranded, min.                        | 0.5 mm <sup>2</sup>       |
| Wire cross-section stranded, max.                        | 4 mm <sup>2</sup>         |
| Wire cross-section stranded with wire-end ferrules, min. | 0.5 mm <sup>2</sup>       |
| Wire cross-section stranded with wire-end ferrules, max. | 2.5 mm <sup>2</sup>       |
| Wire cross-section AWG, min.                             | 20                        |
| Wire cross-section AWG, max.                             | 12                        |
| Stripping length                                         | 10 mm                     |

#### Materials

|                           |               |
|---------------------------|---------------|
| Insulation housing        | Polyamide 6.6 |
| Flammability class UL 94  | V-0           |
| Working temperature, min. | -40 °C        |
| Working temperature, max. | 120 °C        |

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### Technical data

#### Further technical data

|                                     |                         |
|-------------------------------------|-------------------------|
| Mounting type                       | Mounting rail TS 35/7,5 |
| Gauge plug acc. to EN 60 947-1      | A3                      |
| Number of cross-connection channels | 3                       |
| End plate required                  | ✓                       |
| Number of test pick-off options     | 6                       |
| Can be cross-connected              | ✓                       |

#### Environmental Product Compliance

|                                |     |
|--------------------------------|-----|
| REACH Conform                  | Yes |
| REACH Candidate Substance Note | No  |
| RoHS Conform                   | Yes |

### Approvals

#### Standards and regulations

|                           |                 |
|---------------------------|-----------------|
| ATEX certification number | TÜV ATEX 7093 U |
| EAC approval              | TR ZU 004/2011  |
| EAC approval granted      | yes             |

#### CSA approval

|                                  |              |
|----------------------------------|--------------|
| CSA approval                     | C22.2 No 158 |
| CSA approval granted             | yes          |
| CSA Usegroup C: rated voltage    | 300 V        |
| CSA Usegroup C: rated current    | 15 A         |
| CSA wire cross-section AWG, min. | 20           |
| CSA wire cross-section AWG, max. | 12           |
| CSA stripping length             | 10 mm        |

#### CSAus approval

|                                    |         |
|------------------------------------|---------|
| CSAus approval                     | UL 1059 |
| CSAus approval granted             | yes     |
| CSAus Usegroup C: rated voltage    | 300 V   |
| CSAus Usegroup C: rated current    | 15 A    |
| CSAus wire cross-section AWG, min. | 20      |
| CSAus wire cross-section AWG, max. | 12      |
| CSAus stripping length             | 10 mm   |

#### cUL Recognized

|                                                      |              |
|------------------------------------------------------|--------------|
| cUL approval                                         | C22.2 No 158 |
| cUL Usegroup B: rated voltage                        | 300 V        |
| cUL Usegroup B: rated current                        | 15 A         |
| cUL Usegroup C: rated voltage                        | 300 V        |
| cUL Usegroup C: rated current                        | 15 A         |
| cUL Usegroup D: rated voltage                        | 300 V        |
| cUL Usegroup D: rated current                        | 15 A         |
| cUL wire cross-section single-core (rigid) AWG, min. | 20           |
| cUL wire cross-section single-core (rigid) AWG, max. | 12           |
| cUL wire cross-section stranded AWG, min.            | 20           |
| cUL wire cross-section stranded AWG, max.            | 12           |
| cUL wire material                                    | Cu           |
| cUL Recognized                                       | 1            |

### Approvals

#### KEMA KEUR approval

|                                                   |                     |
|---------------------------------------------------|---------------------|
| KEMA KEUR approval                                | EN 60947-7-1:2009   |
| KEMA KEUR approval granted                        | yes                 |
| KEMA rated voltage                                | 500 V               |
| KEMA rated current                                | 24 A                |
| KEMA rated impulse voltage                        | 6 kV                |
| KEMA wire cross-section single core (rigid), min. | 0.5 mm <sup>2</sup> |
| KEMA wire cross-section single-core (rigid), max. | 4 mm <sup>2</sup>   |
| KEMA wire cross-section stranded, min.            | 0.5 mm <sup>2</sup> |
| KEMA wire cross-section stranded, max.            | 4 mm <sup>2</sup>   |

#### UL Recognized

|                                                     |         |
|-----------------------------------------------------|---------|
| UL approval                                         | UL 1059 |
| UL Usegroup B: rated voltage                        | 300 V   |
| UL Usegroup B: rated current                        | 15 A    |
| UL Usegroup C: rated voltage                        | 300 V   |
| UL Usegroup C: rated current                        | 15 A    |
| UL Usegroup D: rated voltage                        | 300 V   |
| UL Usegroup D: rated current                        | 15 A    |
| UL wire cross-section single-core (rigid) AWG, min. | 20      |
| UL wire cross-section single-core (rigid) AWG, max. | 12      |
| UL wire cross-section stranded AWG, min.            | 20      |
| UL wire cross-section stranded AWG, max.            | 12      |
| UL wire material                                    | Cu      |
| UL factory wiring                                   | 1       |
| UL field wiring                                     | 1       |
| UL Recognized                                       | 1       |

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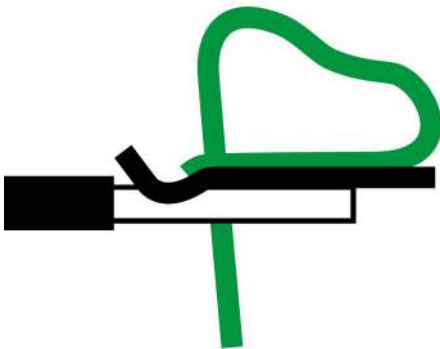
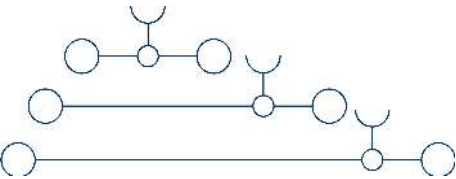


### Approvals

#### DNV GL Approval

|                                                     |                                           |
|-----------------------------------------------------|-------------------------------------------|
| DNV GL Certificate number                           | TAE00000Y7                                |
| DNV GL Location Classes                             | Temperature: B, Humidity: B, Vibration: A |
| DNV GL approval granted                             | 1                                         |
| DNV GL rated cross-section                          | 2.5 mm <sup>2</sup>                       |
| DNV GL rated current                                | 24 A                                      |
| DNV GL rated voltage                                | 500 V                                     |
| DNV GL test standard                                | IEC 60947-7-1:2009                        |
| DNV GL wire cross-section single-core (rigid), max. | 4 mm <sup>2</sup>                         |
| DNV GL wire cross-section stranded, max.            | 2.5 mm <sup>2</sup>                       |

Media



Accessories

Reducing sleeves

Reducing sleeve, Width: 51 mm, Pitch size: 5.1 mm, Colour: Grey



| Article number | Article name        | GTIN (EAN)    | Packaging unit |
|----------------|---------------------|---------------|----------------|
| <u>3751.6</u>  | ZRH 2,5/0,25-0,5 GR | 4044211060602 | 1000 ST        |

Reducing sleeve, Width: 51 mm, Pitch size: 5.1 mm, Colour: White



| Article number | Article name        | GTIN (EAN)    | Packaging unit |
|----------------|---------------------|---------------|----------------|
| <u>3750.7</u>  | ZRH 2,5/0,13-0,2 WH | 4044211060596 | 1000 ST        |

Reducing sleeve, Width: 51 mm, Pitch size: 5.1 mm, Colour: Black



| Article number | Article name        | GTIN (EAN)    | Packaging unit |
|----------------|---------------------|---------------|----------------|
| <u>3752.4</u>  | ZRH 2,5/0,75-1,0 BK | 4044211060619 | 1000 ST        |