

Ex feed-through terminal ATEX-certified, Tension-spring connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 2.5 mm<sup>2</sup>, Width: 5.1 mm, Colour: Beige

### Business data

|  |   |
|--|---|
| Article number                             | 1704.2                                  |
| Article name                               | ZRK 2,5/2A Ex BG                        |
| GTIN (EAN)                                 | 4044211058401                           |
| Explosion-proof version (EEx e)            | yes                                     |
| Packaging unit                             | 100                                     |
| Quantity unit                              | PC                                      |
| Weight per piece (not including packaging) | 7 g                                     |
| Weight per piece (including packaging)     | 7.6 g                                   |
| Unit of weight                             | G                                       |
| Customs number                             | 85369010                                |
| Country of origin                          | DE                                      |
| Prio-Article                               | 1704.2                                  |
| Product description                        | Ex feed-through terminal ATEX-certified |

### Technical data

#### Dimensions

|                  |        |
|------------------|--------|
| Length           | 59 mm  |
| Width            | 5.1 mm |
| Height TS 35/7.5 | 39 mm  |

#### Ratings

|   |                     |
|---|---------------------|
| Rated voltage                                   | 800 V               |
| Rated current                                   | 24 A                |
| Rated cross-section                             | 2.5 mm <sup>2</sup> |
| Rated impulse voltage                           | 8 kV                |
| Overvoltage category                            | III                 |
| Contamination degree                            | 3                   |
| Maximum power dissipation for nominal condition | 0.77 W              |

#### Connection data

|  |                           |
|--|---------------------------|
| Connection principle                                     | Tension-spring connection |
| Connection position                                      | Diagonal                  |
| Connections  | 2                         |
| Number of terminals per level                            | 2                         |
| Number of levels   | 1                         |
| 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

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#### 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 | 2                       |
| End plate required                  | ✓                       |
| Number of test pick-off options     | 2                       |

#### 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    | 600 V        |
| CSA Usegroup C: rated current    | 27 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    | 600 V   |
| CSAus Usegroup C: rated current    | 27 A    |
| CSAus wire cross-section AWG, min. | 20      |
| CSAus wire cross-section AWG, max. | 12      |
| CSAus stripping length             | 10 mm   |

#### KEMA KEUR approval

|   |                   |
|---|-------------------|
| KEMA KEUR approval                                | EN 60947-7-1:2009 |
| KEMA KEUR approval granted                        | yes               |
| KEMA rated voltage                                | 800 V             |
| KEMA rated current                                | 24 A              |
| KEMA rated impulse voltage                        | 8 kV              |
| KEMA wire cross-section single core (rigid), min. | 5 mm <sup>2</sup> |
| KEMA wire cross-section single-core (rigid), max. | 4 mm <sup>2</sup> |
| KEMA wire cross-section stranded, min.            | 5 mm <sup>2</sup> |
| KEMA wire cross-section stranded, max.            | 4 mm <sup>2</sup> |

### Approvals

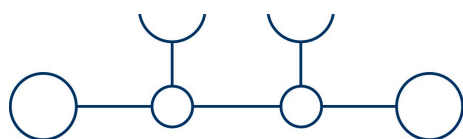
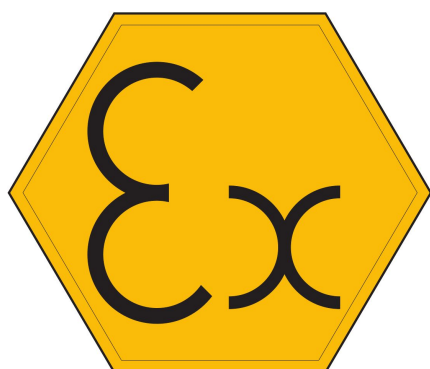
#### UL Recognized

|   |         |
|---|---------|
| UL approval   | UL 1059 |
| UL Usegroup B: rated voltage                        | 600 V   |
| UL Usegroup B: rated current                        | 27 A    |
| UL Usegroup C: rated voltage                        | 600 V   |
| UL Usegroup C: rated current                        | 27 A    |
| UL Usegroup D: rated voltage                        | 600 V   |
| UL Usegroup D: rated current                        | 27 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       |

#### DNV GL Approval

|   |   |
|---|---|
| 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                                | 800 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

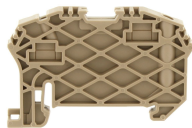
#### End plate



End plate, Width: 2 mm, Colour: Beige

| Article number | Article name  | GTIN (EAN)    | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>3700.2</u>  | ZAP 2,5/2A BG | 4044211060015 | 50             |

#### End stop



End stop, Mounting type: Mounting rail TS 35/7.5 and TS 35/15, Width: 6 mm, Colour: Beige

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3748.2</u>  | ZES 35 BG    | 4044211060572 | 50             |

#### Test adapter



Test adapter, Pitch size: 5.1 mm, Colour: Beige

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3740.2</u>  | ZTA 2,5 BG   | 4044211060497 | 10 ST          |

#### Insulated cross-connector



Insulated cross-connector, No. of poles: 7, Mounting type: Plug in, Width: 34.6 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3715.8</u>  | ZQI 2,5/7 YE | 4044211060336 | 20             |



Insulated cross-connector, No. of poles: 2, Mounting type: Plug in, Width: 9.1 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3710.8</u>  | ZQI 2,5/2 YE | 4044211060282 | 50             |

## 1704.2 ZRK 2,5/2A Ex BG

### Insulated cross-connector



Insulated cross-connector, No. of poles: 10, Mounting type: Plug in, Width: 49.9 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name  | GTIN (EAN)    | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>3718.8</u>  | ZQI 2,5/10 YE | 4044211060367 | 10             |



Insulated cross-connector, No. of poles: 3, Mounting type: Plug in, Width: 14.2 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3711.8</u>  | ZQI 2,5/3 YE | 4044211060299 | 50             |



Insulated cross-connector, No. of poles: 5, Mounting type: Plug in, Width: 24.4 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3713.8</u>  | ZQI 2,5/5 YE | 4044211060312 | 20             |



Insulated cross-connector, No. of poles: 8, Mounting type: Plug in, Width: 39.7 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3716.8</u>  | ZQI 2,5/8 YE | 4044211060343 | 10             |



Insulated cross-connector, No. of poles: 4, Mounting type: Plug in, Width: 19.3 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3712.8</u>  | ZQI 2,5/4 YE | 4044211060305 | 20             |



Insulated cross-connector, No. of poles: 6, Mounting type: Plug in, Width: 29.5 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3714.8</u>  | ZQI 2,5/6 YE | 4044211060329 | 20             |



## 1704.2 ZRK 2,5/2A Ex BG

### Insulated cross-connector

Insulated cross-connector, No. of poles: 99, Mounting type: Plug in, Width: 500 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name             | GTIN (EAN)    | Packaging unit |
|----------------|--------------------------|---------------|----------------|
| <u>3719.8</u>  | ZQI 2,5/0,5 m/99 Pole YE | 4044211060374 | 2              |

### Quick marking



Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 5 mm, Colour: White

| Article number | Article name   | GTIN (EAN)    | Packaging unit |
|----------------|----------------|---------------|----------------|
| <u>4600.7</u>  | PMC SB 5/50 WH | 4044211088903 | 500 ST         |

### Four-way cover

Cover, Length: 6.7 mm, Width: 20.4 mm, Colour: Yellow



| Article number | Article name   | GTIN (EAN)    | Packaging unit |
|----------------|----------------|---------------|----------------|
| <u>3706.0</u>  | ZAD 2,5/4/B YE | 4044211060244 | 20 ST          |

## 1704.2 ZRK 2,5/2A Ex BG

### 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        |