

Ex feed-through 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 | 1705.2 |
| Article name | ZRK 2,5/3A Ex BG |
| GTIN (EAN) | 4044211110925 |
| Explosion-proof version (EEx e) | yes |
| Packaging unit | 100 |
| Quantity unit | PC |
| Weight per piece (not including packaging) | 8.8 g |
| Weight per piece (including packaging) | 9.6 g |
| Unit of weight | G |
| Customs number | 85369010 |
| Country of origin | DE |
| Prio-Article | 1705.2 |
| Product description | Ex feed-through terminal ATEX-certified |

Technical data

Dimensions

| | |
|------------------|---------|
| Length | 71.3 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 ² |
| Rated impulse voltage | 8 kV |
| Overvoltage category | III |
| Contamination degree | 3 |
| Maximum power dissipation for nominal condition | 0.77 W |

Connection data

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|--|---------------------------|
| Connection principle | Tension-spring connection |
| Connection position | Diagonal |
| Connections | 3 |
| Number of terminals per level | 3 |
| Number of levels | 1 |
| Wire cross-section single-core (rigid) / stranded, min. | 0.5 mm ² |
| Wire cross-section single core (rigid)/stranded, max. | 4 mm ² |
| Wire cross-section stranded, min. | 0.5 mm ² |
| Wire cross-section stranded, max. | 4 mm ² |
| Wire cross-section stranded with wire-end ferrules, min. | 0.5 mm ² |
| Wire cross-section stranded with wire-end ferrules, max. | 2.5 mm ² |
| 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 |

Data sheet

1705.2 ZRK 2,5/3A Ex BG



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

Environmental Product Compliance

| | |
|--------------------------------|----|
| REACH Candidate Substance Note | No |
|--------------------------------|----|

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 ² |
| KEMA wire cross-section single-core (rigid), max. | 4 mm ² |
| KEMA wire cross-section stranded, min. | 5 mm ² |
| KEMA wire cross-section stranded, max. | 4 mm ² |

Approvals

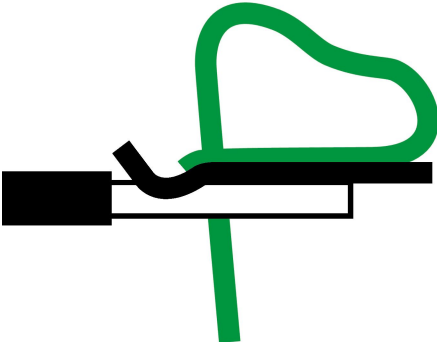
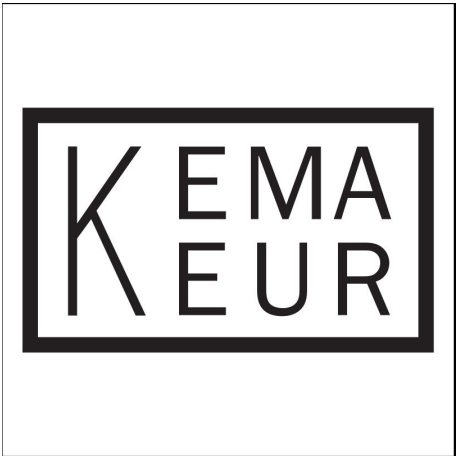
UL Recognized

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

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|---|---|
| DNV GL Location Classes | Temperature: B, Humidity: B, Vibration: A |
| DNV GL approval granted | 1 |
| DNV GL rated cross-section | 2.5 mm ² |
| 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 ² |
| DNV GL wire cross-section stranded, max. | 2.5 mm ² |

Media



Accessories

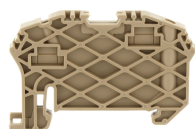
End plate



End plate, Width: 2 mm, Colour: Beige

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>3701.2</u> | ZAP 2,5/3A BG | 4044211060053 | 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 mm², Colour: Yellow

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

Insulated cross-connector



Insulated cross-connector, No. of poles: 2, Mounting type: Plug in, Width: 9.1 mm, Rated cross-section: 2.5 mm², Colour: Yellow

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



Insulated cross-connector, No. of poles: 10, Mounting type: Plug in, Width: 49.9 mm, Rated cross-section: 2.5 mm², 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 mm², 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 mm², 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 mm², 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 mm², Colour: Yellow

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

Insulated cross-connector



Insulated cross-connector, No. of poles: 6, Mounting type: Plug in, Width: 29.5 mm, Rated cross-section: 2.5 mm², Colour: Yellow

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



Insulated cross-connector, No. of poles: 99, Mounting type: Plug in, Width: 500 mm, Rated cross-section: 2.5 mm², 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 |

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 sleeves

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 |