



Ex feed-through terminal ATEX-certified, Tension-spring connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 16 mm², Width: 12.1 mm, Colour: Beige

### Business data

|                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| Article number                             | 1721.2                                  |
| Article name                               | ZRK 16/2A Ex BG                         |
| GTIN (EAN)                                 | 4044211080143                           |
| Explosion-proof version (EEx e)            | yes                                     |
| Packaging unit                             | 50                                      |
| Quantity unit                              | PC                                      |
| Weight per piece (not including packaging) | 35.4 g                                  |
| Weight per piece (including packaging)     | 36.45 g                                 |
| Unit of weight                             | G                                       |
| Customs number                             | 85369010                                |
| Country of origin                          | DE                                      |
| Prio-Article                               | 1721.2                                  |
| Product description                        | Ex feed-through terminal ATEX-certified |

### Technical data

#### Dimensions

|                  |         |
|------------------|---------|
| Length           | 81.5 mm |
| Width            | 12.1 mm |
| Height TS 35/7.5 | 51.5 mm |

#### Ratings

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Rated voltage                                   | 1000 V             |
| Rated current                                   | 76 A               |
| Rated cross-section                             | 16 mm <sup>2</sup> |
| Rated impulse voltage                           | 8 kV               |
| Overvoltage category                            | III                |
| Contamination degree                            | 3                  |
| Maximum power dissipation for nominal condition | 2.43 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.  | 1.5 mm <sup>2</sup>       |
| Wire cross-section single core (rigid)/stranded, max.    | 25 mm <sup>2</sup>        |
| Wire cross-section stranded, min.                        | 1.5 mm <sup>2</sup>       |
| Wire cross-section stranded, max.                        | 16 mm <sup>2</sup>        |
| Wire cross-section stranded with wire-end ferrules, min. | 1.5 mm <sup>2</sup>       |
| Wire cross-section stranded with wire-end ferrules, max. | 16 mm <sup>2</sup>        |
| Wire cross-section AWG, min.                             | 14                        |
| Wire cross-section AWG, max.                             | 4                         |
| Stripping length                                         | 18 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

## 1721.2 ZRK 16/2A Ex BG



### Technical data

#### Further technical data

|                                     |                         |
|-------------------------------------|-------------------------|
| Mounting type                       | Mounting rail TS 35/7,5 |
| Gauge plug acc. to EN 60 947-1      | A7                      |
| 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    | 1000 V       |
| CSA Usegroup C: rated current    | 65 A         |
| CSA wire cross-section AWG, min. | 14           |
| CSA wire cross-section AWG, max. | 4            |
| CSA stripping length             | 18 mm        |

#### CSAus approval

|                                    |         |
|------------------------------------|---------|
| CSAus approval                     | UL 1059 |
| CSAus approval granted             | yes     |
| CSAus Usegroup C: rated voltage    | 1000 V  |
| CSAus Usegroup C: rated current    | 65 A    |
| CSAus wire cross-section AWG, min. | 14      |
| CSAus wire cross-section AWG, max. | 4       |
| CSAus stripping length             | 18 mm   |

#### KEMA KEUR approval

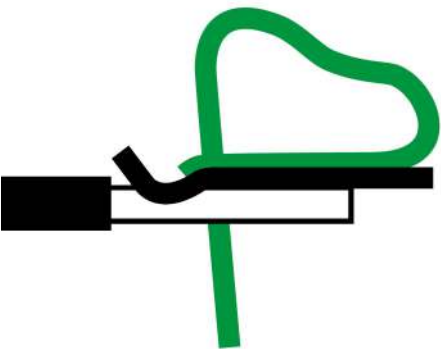
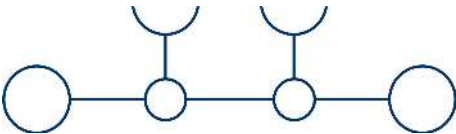
|                                                   |                    |
|---------------------------------------------------|--------------------|
| KEMA KEUR approval                                | EN 60947-7-1:2009  |
| KEMA KEUR approval granted                        | yes                |
| KEMA rated voltage                                | 1000 V             |
| KEMA rated current                                | 76 A               |
| KEMA rated impulse voltage                        | 8 kV               |
| KEMA wire cross-section single core (rigid), min. | 15 mm <sup>2</sup> |
| KEMA wire cross-section single-core (rigid), max. | 25 mm <sup>2</sup> |
| KEMA wire cross-section stranded, min.            | 15 mm <sup>2</sup> |
| KEMA wire cross-section stranded, max.            | 16 mm <sup>2</sup> |

### Approvals

#### UL Recognized

|                                                     |         |
|-----------------------------------------------------|---------|
| UL approval                                         | UL 1059 |
| UL Usegroup E: rated voltage                        | 1000 V  |
| UL Usegroup E: rated current                        | 65 A    |
| UL wire cross-section single-core (rigid) AWG, min. | 14      |
| UL wire cross-section single-core (rigid) AWG, max. | 4       |
| UL wire cross-section stranded AWG, min.            | 14      |
| UL wire cross-section stranded AWG, max.            | 4       |
| UL wire material                                    | Cu      |
| UL factory wiring                                   | 1       |
| UL field wiring                                     | 1       |
| UL Recognized                                       | 1       |

Media



### Accessories

#### End plate



End plate, Width: 2 mm, Colour: Beige

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3799.2</u>  | ZAP 16/2A BG | 4044211080204 | 20             |

#### 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             |

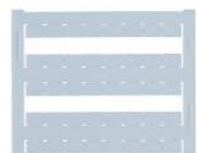
#### Insulated cross-connector



Insulated cross-connector, No. of poles: 2, Mounting type: Plug in, Width: 20.4 mm, Rated cross-section: 16 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3800.8</u>  | ZQI 16/2 YE  | 4044211080181 | 20 ST          |

#### Quick marking



Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 8 mm, Colour: White

| Article number | Article name   | GTIN (EAN)    | Packaging unit |
|----------------|----------------|---------------|----------------|
| <u>9323.7</u>  | PMC SB 8/40 WH | 4044211129231 | 400 ST         |

#### Four-way cover

Cover, Width: 48.4 mm, Colour: Yellow



| Article number | Article name  | GTIN (EAN)    | Packaging unit |
|----------------|---------------|---------------|----------------|
| 3801.0         | ZAD 16/4/B YE | 4044211080235 | 20 ST          |