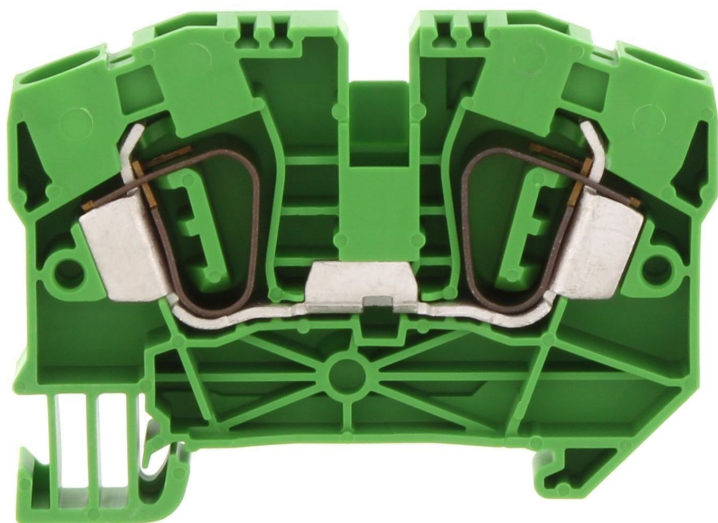


# Data sheet

## 3581.1 ZRK 6/2A GN



Feed-through terminal, Tension-spring connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 6 mm², Width: 8.1 mm, Colour: Green

### Business data

|                                            |                       |
|--------------------------------------------|-----------------------|
| Article number                             | 3581.1                |
| Article name                               | ZRK 6/2A GN           |
| GTIN (EAN)                                 | 4044211151850         |
| Packaging unit                             | 100                   |
| Quantity unit                              | PC                    |
| Weight per piece (not including packaging) | 16.8 g                |
| Weight per piece (including packaging)     | 17.8 g                |
| Unit of weight                             | G                     |
| Customs number                             | 85369010              |
| Country of origin                          | CZ                    |
| Prio-Article                               | 3581.2                |
| Product description                        | Feed-through terminal |

### Technical data

#### Dimensions

|                  |         |
|------------------|---------|
| Length           | 65 mm   |
| Width            | 8.1 mm  |
| Height TS 35/7.5 | 47.5 mm |

#### Ratings

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Rated voltage                                   | 1000 V            |
| Rated current                                   | 41 A              |
| Rated cross-section                             | 6 mm <sup>2</sup> |
| Rated impulse voltage                           | 8 kV              |
| Overvoltage category                            | III               |
| Contamination degree                            | 3                 |
| Maximum power dissipation for nominal condition | 1.31 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.    | 10 mm <sup>2</sup>        |
| Wire cross-section stranded, min.                        | 0.5 mm <sup>2</sup>       |
| Wire cross-section stranded, max.                        | 10 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. | 6 mm <sup>2</sup>         |
| Wire cross-section AWG, min.                             | 22                        |
| Wire cross-section AWG, max.                             | 8                         |
| Stripping length                                         | 13 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

## 3581.1 ZRK 6/2A GN



### Technical data

#### Further technical data

|                                     |                         |
|-------------------------------------|-------------------------|
| Mounting type                       | Mounting rail TS 35/7,5 |
| Gauge plug acc. to EN 60 947-1      | A5                      |
| Number of cross-connection channels | 1                       |
| End plate required                  | ✓                       |
| Number of test pick-off options     | 2                       |

#### Environmental Product Compliance

|                                |            |
|--------------------------------|------------|
| REACH Conform                  | Yes        |
| REACH Reference date           | 2023-06-14 |
| REACH Candidate Substance Note | No         |
| RoHS Conform                   | Yes        |

# Data sheet

## 3581.1 ZRK 6/2A GN

### Approvals

#### Standards and regulations

|              |                |
|--------------|----------------|
| 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 | 50 A |
|-------------------------------|------|

|                                  |    |
|----------------------------------|----|
| CSA wire cross-section AWG, min. | 22 |
|----------------------------------|----|

|                                  |   |
|----------------------------------|---|
| CSA wire cross-section AWG, max. | 8 |
|----------------------------------|---|

|                      |       |
|----------------------|-------|
| 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 | 50 A |
|---------------------------------|------|

|                                    |    |
|------------------------------------|----|
| CSAus wire cross-section AWG, min. | 22 |
|------------------------------------|----|

|                                    |   |
|------------------------------------|---|
| CSAus wire cross-section AWG, max. | 8 |
|------------------------------------|---|

|                        |       |
|------------------------|-------|
| CSAus stripping length | 10 mm |
|------------------------|-------|

#### cUL Recognized

|              |              |
|--------------|--------------|
| cUL approval | C22.2 No 158 |
|--------------|--------------|

|                               |       |
|-------------------------------|-------|
| cUL Usegroup B: rated voltage | 600 V |
|-------------------------------|-------|

|                               |      |
|-------------------------------|------|
| cUL Usegroup B: rated current | 50 A |
|-------------------------------|------|

|                               |       |
|-------------------------------|-------|
| cUL Usegroup C: rated voltage | 600 V |
|-------------------------------|-------|

|                               |      |
|-------------------------------|------|
| cUL Usegroup C: rated current | 50 A |
|-------------------------------|------|

|                               |       |
|-------------------------------|-------|
| cUL Usegroup D: rated voltage | 600 V |
|-------------------------------|-------|

|                               |      |
|-------------------------------|------|
| cUL Usegroup D: rated current | 50 A |
|-------------------------------|------|

|                                                      |    |
|------------------------------------------------------|----|
| cUL wire cross-section single-core (rigid) AWG, min. | 22 |
|------------------------------------------------------|----|

|                                                      |   |
|------------------------------------------------------|---|
| cUL wire cross-section single-core (rigid) AWG, max. | 8 |
|------------------------------------------------------|---|

|                                           |    |
|-------------------------------------------|----|
| cUL wire cross-section stranded AWG, min. | 22 |
|-------------------------------------------|----|

|                                           |   |
|-------------------------------------------|---|
| cUL wire cross-section stranded AWG, max. | 8 |
|-------------------------------------------|---|

|                   |    |
|-------------------|----|
| 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                                | 1000 V              |
| KEMA rated current                                | 41 A                |
| KEMA rated impulse voltage                        | 8 kV                |
| KEMA wire cross-section single core (rigid), min. | 0.5 mm <sup>2</sup> |
| KEMA wire cross-section single-core (rigid), max. | 10 mm <sup>2</sup>  |
| KEMA wire cross-section stranded, min.            | 0.5 mm <sup>2</sup> |
| KEMA wire cross-section stranded, max.            | 10 mm <sup>2</sup>  |

#### UL Recognized

|                                                     |         |
|-----------------------------------------------------|---------|
| UL approval                                         | UL 1059 |
| UL Usegroup B: rated voltage                        | 600 V   |
| UL Usegroup B: rated current                        | 50 A    |
| UL Usegroup C: rated voltage                        | 600 V   |
| UL Usegroup C: rated current                        | 50 A    |
| UL Usegroup D: rated voltage                        | 600 V   |
| UL Usegroup D: rated current                        | 50 A    |
| UL wire cross-section single-core (rigid) AWG, min. | 22      |
| UL wire cross-section single-core (rigid) AWG, max. | 8       |
| UL wire cross-section stranded AWG, min.            | 22      |
| UL wire cross-section stranded AWG, max.            | 8       |
| UL wire material                                    | Cu      |
| UL factory wiring                                   | 1       |
| UL field wiring                                     | 1       |
| UL Recognized                                       | 1       |

# Data sheet

## 3581.1 ZRK 6/2A GN

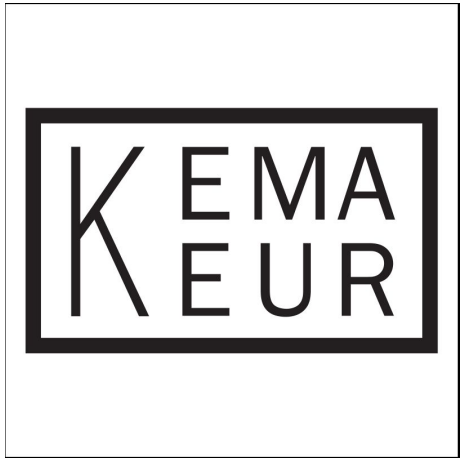
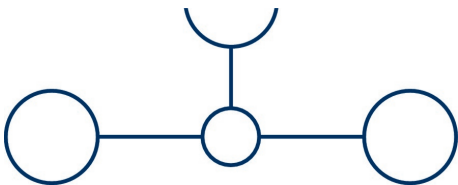
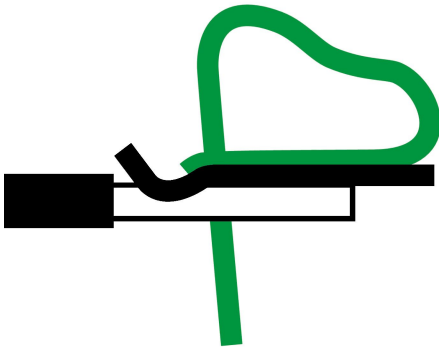


### Approvals

#### DNV GL Approval

|                                                     |                                           |
|-----------------------------------------------------|-------------------------------------------|
| DNV GL Location Classes                             | Temperature: B, Humidity: B, Vibration: A |
| DNV GL approval granted                             | 1                                         |
| DNV GL rated cross-section                          | 6 mm <sup>2</sup>                         |
| DNV GL rated current                                | 41 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. | 10 mm <sup>2</sup>                        |
| DNV GL wire cross-section stranded, max.            | 6 mm <sup>2</sup>                         |

Media



### Accessories

#### End plate



End plate, Width: 2 mm, Colour: Beige

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3760.2</u>  | ZAP 6/2A BG  | 4044211060817 | 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: 15.7 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3763.8</u>  | ZQI 6/2 YE   | 4044211060893 | 50             |



Insulated cross-connector, No. of poles: 8, Mounting type: Plug in, Width: 64.3 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3769.8</u>  | ZQI 6/8 YE   | 4044211060954 | 10 ST          |



Insulated cross-connector, No. of poles: 9, Mounting type: Plug in, Width: 72.4 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3770.8</u>  | ZQI 6/9 YE   | 4044211060961 | 10 ST          |



### Insulated cross-connector



Insulated cross-connector, No. of poles: 3, Mounting type: Plug in, Width: 23.8 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3764.8</u>  | ZQI 6/3 YE   | 4044211060909 | 50             |



Insulated cross-connector, No. of poles: 4, Mounting type: Plug in, Width: 31.9 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3765.8</u>  | ZQI 6/4 YE   | 4044211060916 | 20 ST          |



Insulated cross-connector, No. of poles: 7, Mounting type: Plug in, Width: 56.2 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3768.8</u>  | ZQI 6/7 YE   | 4044211060947 | 20 ST          |



Insulated cross-connector, No. of poles: 5, Mounting type: Plug in, Width: 31.9 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3766.8</u>  | ZQI 6/5 YE   | 4044211060923 | 20 ST          |



Insulated cross-connector, No. of poles: 6, Mounting type: Plug in, Width: 48.1 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3767.8</u>  | ZQI 6/6 YE   | 4044211060930 | 20 ST          |



Insulated cross-connector, No. of poles: 10, Mounting type: Plug in, Width: 80.5 mm, Rated cross-section: 6 mm<sup>2</sup>, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3771.8</u>  | ZQI 6/10 YE  | 4044211060978 | 10 ST          |

# Data sheet

## 3581.1 ZRK 6/2A GN



### 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, Length: 10.5 mm, Width: 32.4 mm, Colour: Yellow

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>3708.0</u>  | ZAD 6/4/B YE | 4044211060268 | 20 ST          |