

## Business data

1

# Data sheet

## 1124.6 RK 150 GR



### Technical data

#### Dimensions

|                  |          |
|------------------|----------|
| Length           | 93 mm    |
| Width            | 31 mm    |
| Height TS 35/7.5 | 112.8 mm |
| Height TS 32     | 118.5 mm |

#### Ratings

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Rated voltage                                   | 1000 V              |
| Rated current                                   | 309 A               |
| Rated cross-section                             | 150 mm <sup>2</sup> |
| Rated impulse voltage                           | 8 kV                |
| Overvoltage category                            | III                 |
| Contamination degree                            | 3                   |
| Maximum power dissipation for nominal condition | 9.89 W              |

# Data sheet

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### Technical data

#### Connection data

|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Connection principle                                         | Screw connection    |
| Connection position                                          | Lateral             |
| Connections                                                  | 2                   |
| Number of terminals per level                                | 2                   |
| Number of levels                                             | 1                   |
| Wire cross-section single-core (rigid) / stranded, min.      | 35 mm <sup>2</sup>  |
| Wire cross-section single core (rigid)/stranded, max.        | 150 mm <sup>2</sup> |
| Wire cross-section stranded, min.                            | 50 mm <sup>2</sup>  |
| Wire cross-section stranded, max.                            | 150 mm <sup>2</sup> |
| Wire cross-section stranded with wire-end ferrules,min.      | 50 mm <sup>2</sup>  |
| Wire cross-section stranded with wire-end ferrules,max.      | 150 mm <sup>2</sup> |
| Wire cross-section AWG, min.                                 | 2                   |
| Wire cross-section AWG, max.                                 | 300 Kcmil           |
| Stripping length                                             | 38 mm               |
| Screw head                                                   | Inner hex (Allen)   |
| Screw threading                                              | M 10                |
| Tightening torque, min.                                      | 14 Nm               |
| Tightening torque, max.                                      | 20 Nm               |
| Wire cross-section single-core (rigid) / stranded, AWGmax.   | 300 Kcmil           |
| Wire cross-section single-core (rigid) / stranded, AWGmin.   | 2                   |
| Wire cross-section stranded, AWG max.                        | 300 Kcmil           |
| Wire cross-section stranded, AWG min.                        | 2                   |
| Wire cross-section stranded with wire-end ferrules, AWG min. | 2                   |

#### Materials

|                           |               |
|---------------------------|---------------|
| Insulation housing        | Polyamide 6.6 |
| Flammability class UL 94  | V-2           |
| Working temperature, min. | -40 °C        |
| Working temperature, max. | 105 °C        |

#### Further technical data

|                                |                                   |
|--------------------------------|-----------------------------------|
| Mounting type                  | Mounting rail TS 35/7.5 and TS 32 |
| Gauge plug acc. to EN 60 947-1 | B14                               |
| Banded wire up to              | 20 x 8 mm                         |

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## 1124.6 RK 150 GR



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### Technical data

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#### Environmental Product Compliance

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

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# Data sheet

## 1124.6 RK 150 GR

### 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 | 275 A |
|-------------------------------|-------|

|                                  |   |
|----------------------------------|---|
| CSA wire cross-section AWG, min. | 2 |
|----------------------------------|---|

|                                  |           |
|----------------------------------|-----------|
| CSA wire cross-section AWG, max. | 300 Kcmil |
|----------------------------------|-----------|

|                      |       |
|----------------------|-------|
| CSA stripping length | 38 mm |
|----------------------|-------|

|                 |              |
|-----------------|--------------|
| CSA File Number | 042110_0_000 |
|-----------------|--------------|

#### CSAus approval

|                |         |
|----------------|---------|
| CSAus approval | UL 1059 |
|----------------|---------|

|                        |     |
|------------------------|-----|
| CSAus approval granted | yes |
|------------------------|-----|

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

|                                 |       |
|---------------------------------|-------|
| CSAus Usegroup C: rated current | 275 A |
|---------------------------------|-------|

|                                    |   |
|------------------------------------|---|
| CSAus wire cross-section AWG, min. | 2 |
|------------------------------------|---|

|                                    |           |
|------------------------------------|-----------|
| CSAus wire cross-section AWG, max. | 300 Kcmil |
|------------------------------------|-----------|

|                        |       |
|------------------------|-------|
| CSAus stripping length | 38 mm |
|------------------------|-------|

|                   |              |
|-------------------|--------------|
| CSAus File Number | 042110_0_000 |
|-------------------|--------------|

#### KEMA KEUR approval

|                    |                   |
|--------------------|-------------------|
| KEMA KEUR approval | EN 60947-7-1:2009 |
|--------------------|-------------------|

|                            |     |
|----------------------------|-----|
| KEMA KEUR approval granted | yes |
|----------------------------|-----|

|                    |        |
|--------------------|--------|
| KEMA rated voltage | 1000 V |
|--------------------|--------|

|                    |       |
|--------------------|-------|
| KEMA rated current | 309 A |
|--------------------|-------|

|                            |       |
|----------------------------|-------|
| KEMA rated impulse voltage | 12 kV |
|----------------------------|-------|

|                                                   |                    |
|---------------------------------------------------|--------------------|
| KEMA wire cross-section single core (rigid), min. | 35 mm <sup>2</sup> |
|---------------------------------------------------|--------------------|

|                                                   |                     |
|---------------------------------------------------|---------------------|
| KEMA wire cross-section single-core (rigid), max. | 150 mm <sup>2</sup> |
|---------------------------------------------------|---------------------|

|                                        |                    |
|----------------------------------------|--------------------|
| KEMA wire cross-section stranded, min. | 35 mm <sup>2</sup> |
|----------------------------------------|--------------------|

|                                        |                     |
|----------------------------------------|---------------------|
| KEMA wire cross-section stranded, max. | 150 mm <sup>2</sup> |
|----------------------------------------|---------------------|

|                       |       |
|-----------------------|-------|
| KEMA stripping length | 38 mm |
|-----------------------|-------|

|                   |       |
|-------------------|-------|
| KEMA torque, min. | 14 Nm |
|-------------------|-------|

|                   |       |
|-------------------|-------|
| KEMA torque, max. | 20 Nm |
|-------------------|-------|

### Approvals

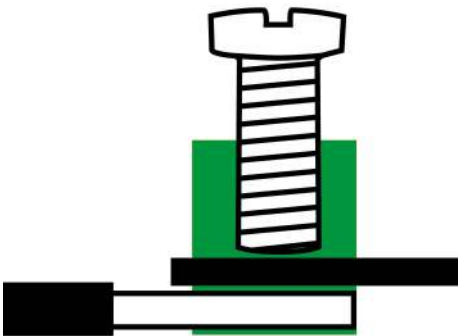
#### UL Recognized

|                                                     |           |
|-----------------------------------------------------|-----------|
| UL approval                                         | UL 1059   |
| UL Usegroup B: rated voltage                        | 600 V     |
| UL Usegroup B: rated current                        | 275 A     |
| UL Usegroup C: rated voltage                        | 600 V     |
| UL Usegroup C: rated current                        | 275 A     |
| UL wire cross-section single-core (rigid) AWG, min. | 2         |
| UL wire cross-section single-core (rigid) AWG, max. | 350 Kcmil |
| UL wire cross-section stranded AWG, min.            | 2         |
| UL wire cross-section stranded AWG, max.            | 350 Kcmil |
| UL torque                                           | 142 Lb In |
| UL wire material                                    | Cu        |
| UL factory wiring                                   | 1         |
| UL File Number                                      | E95701    |
| UL Recognized                                       | 1         |

#### German Lloyd approval

|                            |                                           |
|----------------------------|-------------------------------------------|
| DNV GL Certificate number  | TAE000014T                                |
| DNV GL Location Classes    | Temperature: B, Humidity: B, Vibration: A |
| DNV GL approval granted    | 1                                         |
| DNV GL rated cross-section | 150 mm <sup>2</sup>                       |
| DNV GL rated current       | 275 A                                     |
| DNV GL rated voltage       | 600 V                                     |
| DNV GL test standard       | IEC 60947-7-1:2002                        |

Media



### Accessories

#### Cover



Cover, Length: 60 mm, Width: 21 mm, Colour: Yellow

| Article number | Article name  | GTIN (EAN)    | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>2806.0</u>  | AD 1/150/B YE | 4044211055363 | 20 ST          |

#### Inlay profile



Inlay plate, Colour: natural

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>2277.0</u>  | EP 150       | 4044211050849 | 10 ST          |

#### Measurement pick-off terminal



Measurement pick-off terminal, Screw connection, Mounting type: On base, Rated cross-section: 10 mm<sup>2</sup>, Width: 10 mm, Colour: Beige

| Article number | Article name   | GTIN (EAN)    | Packaging unit |
|----------------|----------------|---------------|----------------|
| <u>1125.2</u>  | MAG 150/240 BG | 4044211080921 | 10 ST          |

#### Allen key socket wrench



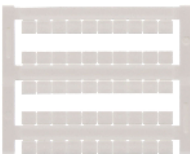
Inner hex key with bare blade

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>2773.0</u>  | ISKS 8       | 4044211055035 | 1 ST           |

#### Quick marking

# Data sheet

## 1124.6 RK 150 GR



Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 6 mm, Colour: White

| Article number | Article name   | GTIN (EAN)    | Packaging unit |
|----------------|----------------|---------------|----------------|
| <u>4702.7</u>  | PMC SB 6/50 WH | 4044211089986 | 500 ST         |

### ##INVERSE##CONTA-CONNECT



Measurement pick-off terminal, Screw connection, Mounting type: On base, Rated cross-section: 10 mm<sup>2</sup>, Width: 10 mm, Colour: Beige

| Article number | Article name   | GTIN (EAN)    | Packaging unit |
|----------------|----------------|---------------|----------------|
| <u>1125.2</u>  | MAG 150/240 BG | 4044211080921 | 10 ST          |