

# Data sheet

## KRA-M6/21, 1 changeover contact, 230 V AC

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P/N

11061505

EAN 4250184122623

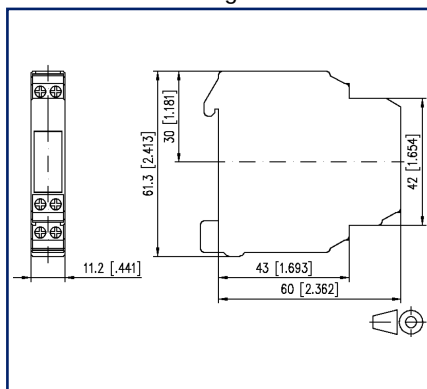
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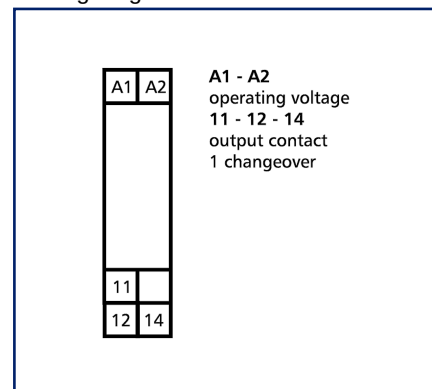
### Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

### Product specification

Coupling devices are used to secure electrical isolation between logic and load.

- Connection with screw-type terminals
- closed compact series
- integrated protective circuit
- safe separation



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## Technical Data

### Supply

|                          |                        |
|--------------------------|------------------------|
| Operating voltage        | 230 V AC -10% ... +10% |
| Power consumption (max.) | 5 mA                   |
| Response time typical    | 10 ms                  |
| Release time typical     | 5 ms                   |

### Outputs

|                                    |                                    |
|------------------------------------|------------------------------------|
| Contacts                           | 1 changeover contact               |
| Contact material                   | AgSnO <sub>2</sub>                 |
| Switching voltage (max.)           | 250 V AC/DC                        |
| Switch-on current                  | 8 A                                |
| Continuous Current                 | 6 A                                |
| Switching frequency                | 600 switching cycles/h             |
| Breaking capacity (resistive load) |                                    |
| Mechanical life                    | 2x10 <sup>7</sup> switching cycles |
| Electrical life                    | 1x10 <sup>5</sup> switching cycles |
| Indicator                          | red LED                            |

### Insulation coil - contact set

|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| Nominal voltage of the power supply system | 230 / 400 V AC                           |
| Overvoltage category                       | III   II                                 |
| Degree of pollution                        | 2   2                                    |
| Rated test voltage                         | 4 kV   2.5 kV                            |
| Type of insulation                         | basic insulation   reinforced insulation |

### Housing

|                       |                                   |
|-----------------------|-----------------------------------|
| Dimensions            |                                   |
| Dimension (W x H x D) | 11.2 mm x 61.3 mm x 60 mm         |
| Dimension (W x H x D) | 0.441 in. x 2.413 in. x 2.362 in. |
| Weight                | 45 g                              |
| Mounting style        | Standard rail TH35                |
| Mounting position     | any                               |
| Apposition            | without distance                  |
| Connection type       | Screw type terminal blocks        |



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## Technical Data

### Terminal blocks

|                                      |                                                        |
|--------------------------------------|--------------------------------------------------------|
| Wire cross section solid             | 0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12  |
| Wire cross section multi             | 0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12 |
| Wire cross section with wire ferrule | 0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12 |
| Screw torque (max.)                  | 0.5 Nm                                                 |
| Stripping length (min.)              | 8 mm                                                   |

### Material

|                           |                 |
|---------------------------|-----------------|
| Material - Housing        | Polyamid 6.6 V0 |
| Color                     | gray            |
| Material - Terminal block | Polyamid 6.6 V0 |

### Protection category according to IEC 60529

|                                                           |      |
|-----------------------------------------------------------|------|
| Protection category - housing (acc. to IEC 60529)         | IP40 |
| Protection category - terminal blocks (acc. to IEC 60529) | IP20 |

### Climatic Data

#### Operating

|                            |                          |
|----------------------------|--------------------------|
| Temperature - Operating °C | -20 °C - 55 °C           |
| Temperature - Operating °F | -4 °F - 131 °F           |
| Relative humidity          | max. 85 % non-condensing |

#### Storage

|                          |                 |
|--------------------------|-----------------|
| Temperature - Storage °C | -25 °C - 70 °C  |
| Temperature - Storage °F | -13 °F - 158 °F |

### Power loss

|                                   |        |
|-----------------------------------|--------|
| Power loss (typical) coil         | 300 mW |
| Power loss (typical) Contact rate | 500 mW |

### Classifications

|           |          |
|-----------|----------|
| ETIM 7.0  | EC001437 |
| ETIM 8.0  | EC001437 |
| ETIM 9.0  | EC001437 |
| ETIM 10.0 | EC001437 |



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### Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



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**Accessories**

| P/N         | Designation                |
|-------------|----------------------------|
| 820234-01-9 | Labeling plate white       |
| 850349-02   | Connecting bridge, 10 pole |



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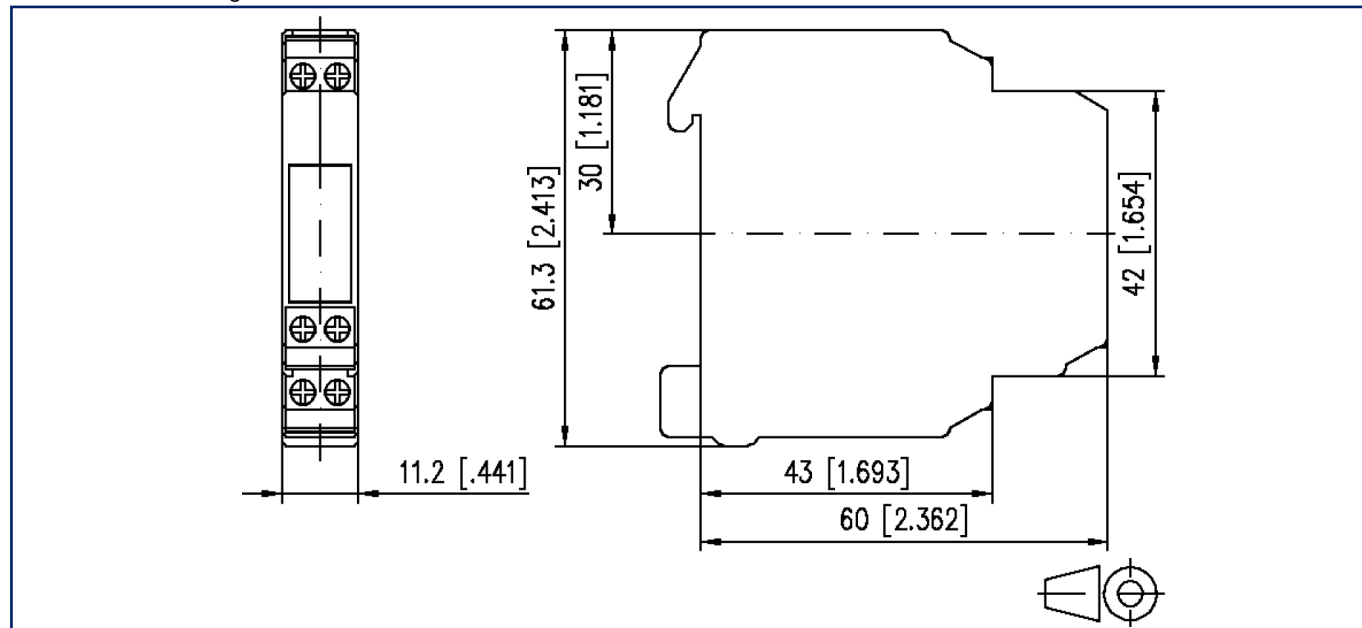
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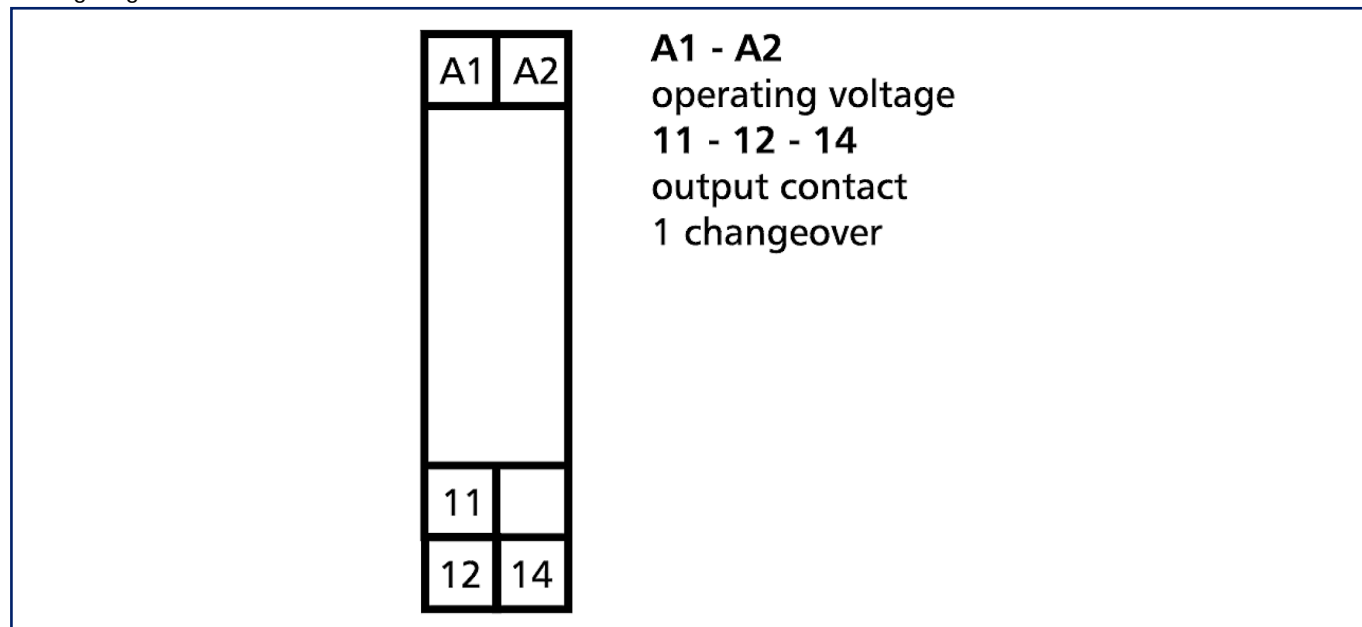
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## Illustrations

### Dimensional drawing



### Wiring diagram



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## Illustrations

Circuit diagram

