

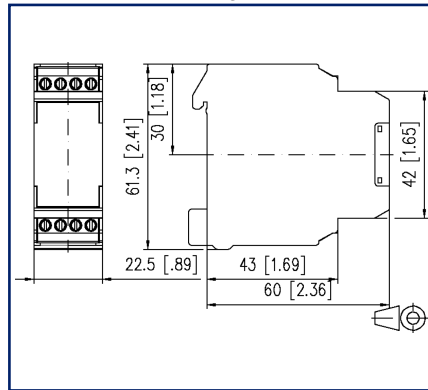
# Data sheet

## KRZ-E08 HR 24 V AC/DC

### Illustrations



Dimensional drawing



Wiring diagram

|    |    |    |    |
|----|----|----|----|
| A1 | B1 | B2 | A2 |
|    |    |    |    |
| 24 | 11 | 14 | S  |

**A1 - A2**  
 operating voltage  
 24 V AC/DC  
**B1 - B2**  
 control inputs  
 11 - 14 - 24  
 output contact  
 1 changeover  
 S  
 manual checkback  
 function

See enlarged drawings at the end of document

### Product specification

The coupling module is designed for two-level motor control.

- Connection with screw type terminal blocks
- Interlocked relays
- Manual control level
- Not intended for marketing in North America

### Technical Data

#### Supply

|                               |                          |
|-------------------------------|--------------------------|
| Operating voltage             | 24 V AC/DC -10% ... +10% |
| Power consumption (max.)      | 30 mA                    |
| Current per terminal (max.)   | 4 mA                     |
| Response time typical         | 20 ms                    |
| Release time typical          | 20 ms                    |
| Time delay stage 2 to stage 1 | < 60 ms                  |

#### Manual control level

|                           |                              |
|---------------------------|------------------------------|
| Mechanical life           | 3x10 <sup>4</sup> switchings |
| Switching capacity (max.) | 24 V AC/DC / 1 A             |
| Test voltage              | 2000 V AC, 50 Hz, 1 min.     |

#### Outputs

|                                    |                                    |
|------------------------------------|------------------------------------|
| Contacts                           | 1 changeover contact               |
| Contact material                   | AgSnO <sub>2</sub>                 |
| Switching voltage (max.)           | 250 V AC                           |
| Switch-on current                  | 6 A                                |
| Continuous Current                 | 4 A                                |
| Switching frequency                | 1200 switching cycles/h            |
| Breaking capacity (resistive load) |                                    |
| Mechanical life                    | 1x10 <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 |

### Technical Data

| Housing   |  |
|---|--|
| Dimensions  |  |
| Dimension (W x H x D)                                     | 22.5 mm x 61.3 mm x 60 mm                              |
| Dimension (W x H x D)                                     | 0.886 in. x 2.413 in. x 2.362 in.                      |
| Weight  | 70 g   |
| Mounting style  | Standard rail TH35                                     |
| Mounting position   | any  |
| Apposition  | without distance                                       |
| Connection type   | Screw type terminal blocks                             |
| Terminal blocks   |  |
| Wire cross section solid                                  | 0.34 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  |

## Technical Data

### Power loss

|                      |     |
|----------------------|-----|
| Power loss (typical) | 1 W |
|----------------------|-----|

### Classifications

|          |          |
|----------|----------|
| ETIM 7.0 | EC001437 |
|----------|----------|

|          |          |
|----------|----------|
| ETIM 8.0 | EC001437 |
|----------|----------|

|          |          |
|----------|----------|
| ETIM 9.0 | EC001437 |
|----------|----------|

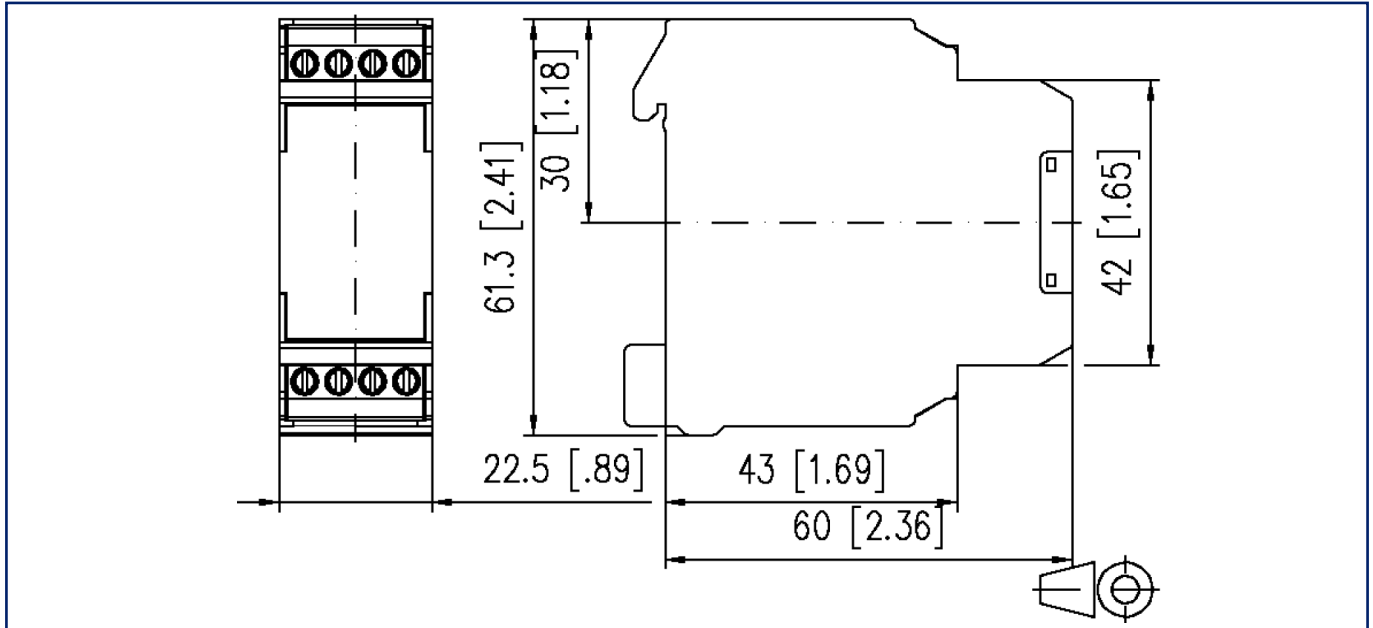
### Application note

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.).

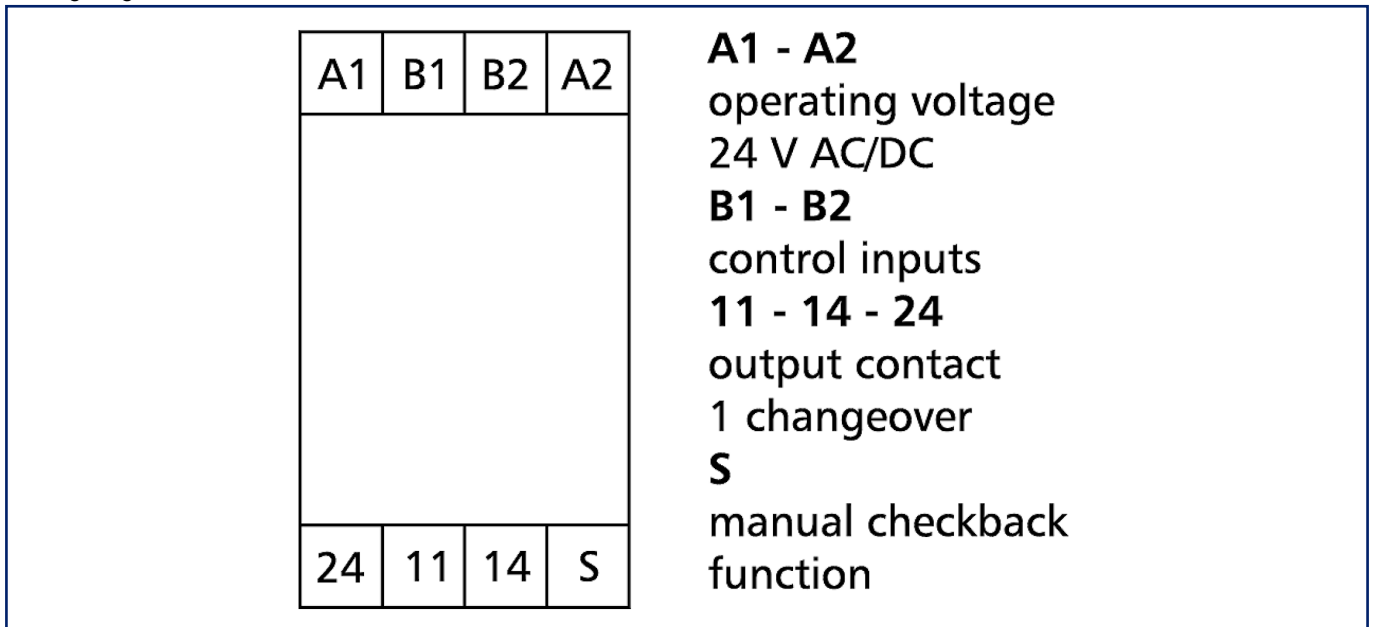


### Illustrations

Dimensional drawing

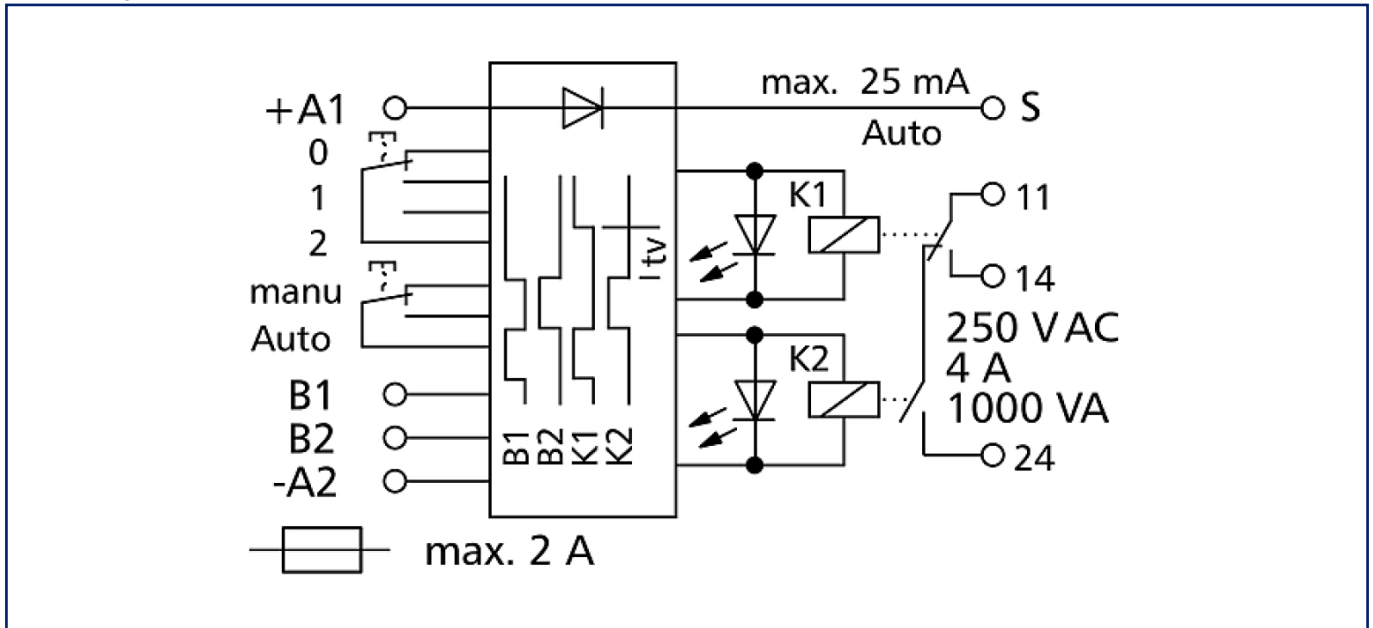


Wiring diagram



**Illustrations**

Circuit diagram



Function diagram

