

# Data sheet

## KRZ-F-E08 HR 24 V AC/DC

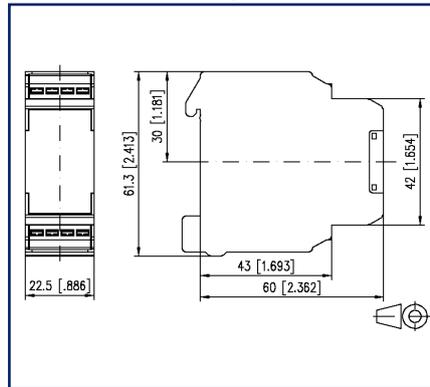
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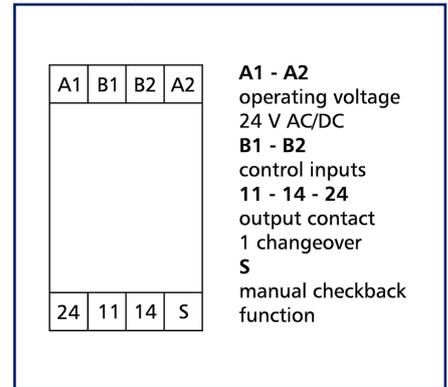
### Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

### Product specification

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

- Connection with spring clamp terminal blocks (push-in)
- Interlocked relays
- Manual control level



## 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	Spring clamp terminal blocks

### Terminal blocks

Wire cross section solid	0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 24-14
Wire cross section multi	0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 24-12
Wire cross section with wire ferrule	0.25 mm <sup>2</sup> - 1.5 mm <sup>2</sup> / AWG 24-16
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
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### Classifications

ETIM 7.0	EC001437
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ETIM 8.0	EC001437
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ETIM 9.0	EC001437
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ETIM 10.0	EC001437
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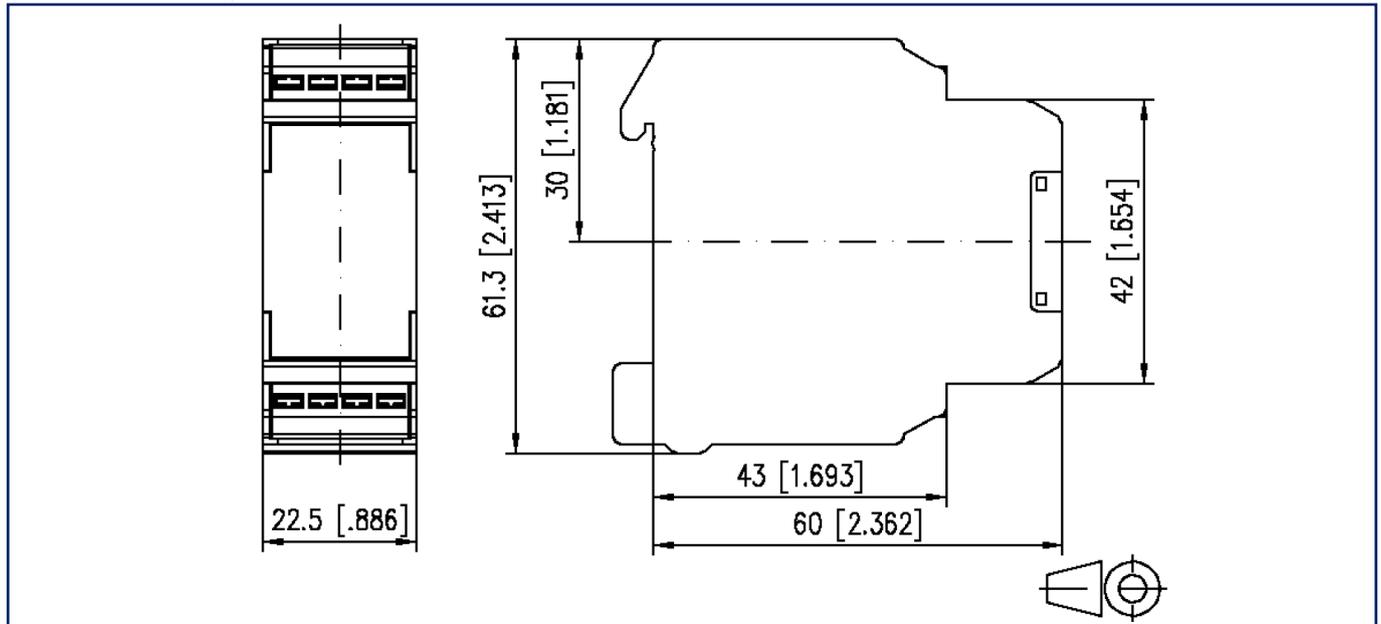
### Application note

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.).

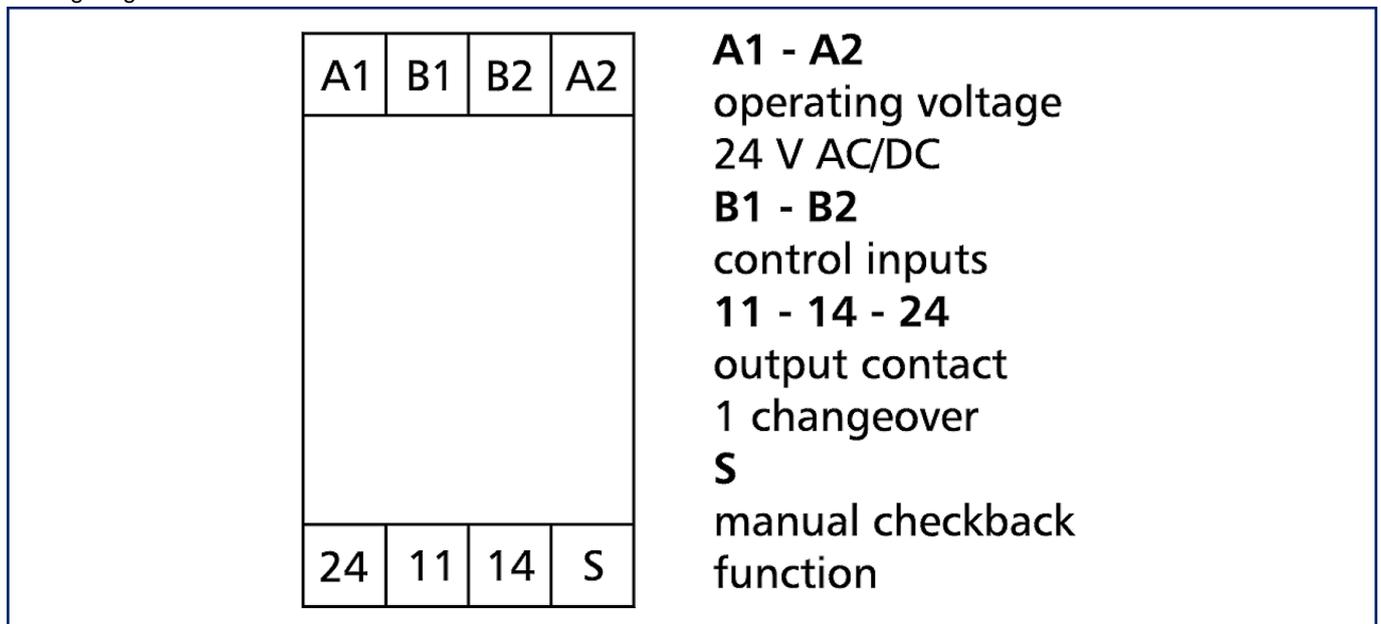


## Illustrations

### Dimensional drawing



### Wiring diagram



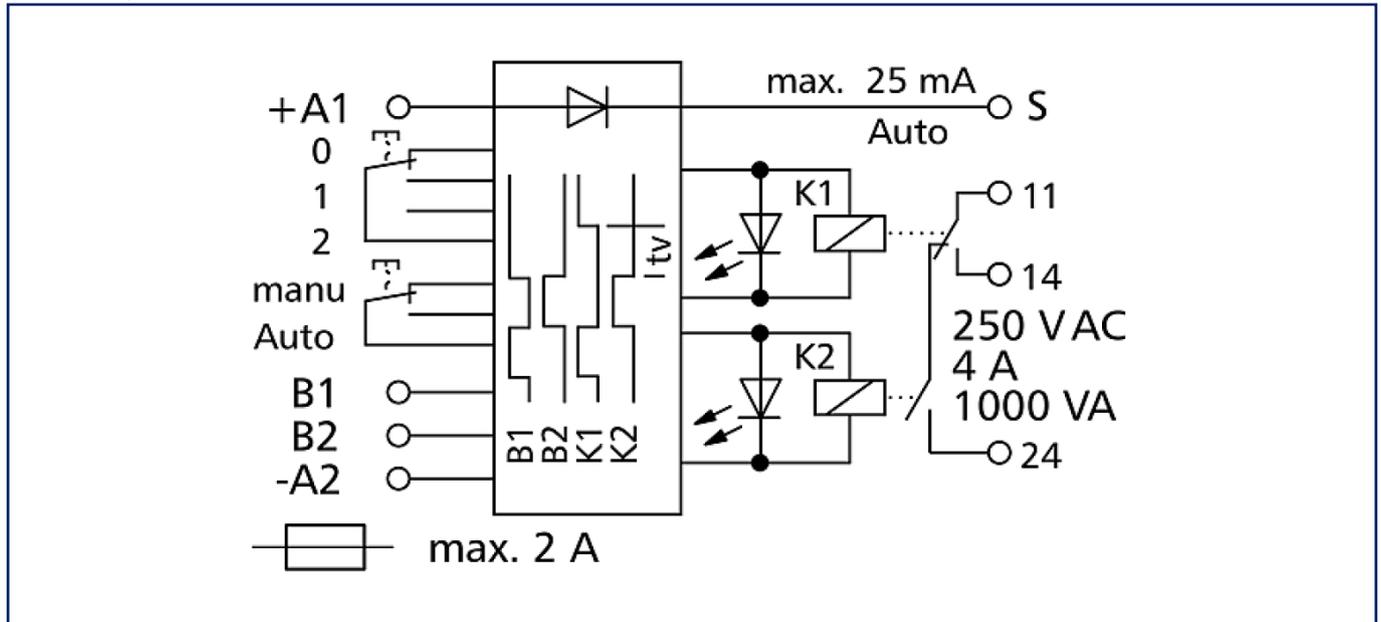
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**Illustrations**

Circuit diagram



Function diagram

