

# Data sheet

## KRA-S-F8/21, 1 changeover contact (SPST), 24 V AC/DC

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P/N

11070613

EAN 4250184123095

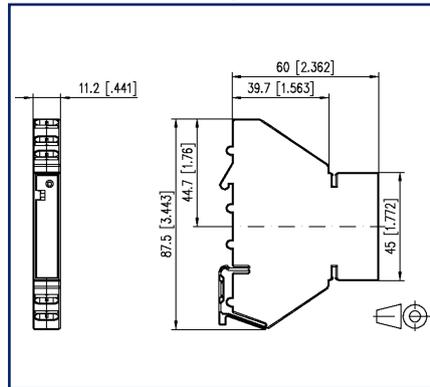
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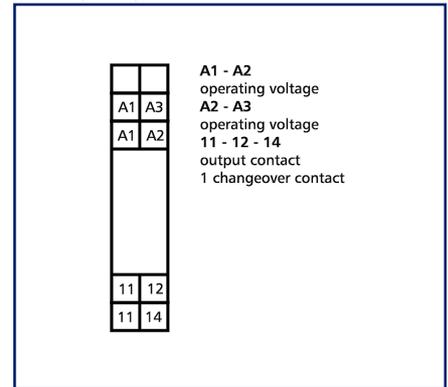
### Illustrations



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 spring-clamp terminal
- Additional terminals for jumper
- Test contacts for each terminal
- Safe separation
- with manual control level



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**Technical Data**

<b>Supply</b>	
Operating voltage	24 V AC/DC -15% ... +10%
Power consumption (max.)	13 mA
Response time typical	10 ms
Release time typical	5 ms
<b>Manual control level</b>	
Mechanical life	1x10 <sup>3</sup> switching cycles
Switching capacity (max.)	24 V AC/DC / 50 mA
Switching capacity (min.)	3 V AC/DC / 50 µA
Test voltage	100 V, 50 Hz, 1 min
<b>Outputs</b>	
Contacts	1 changeover contact
Contact material	AgSnO <sub>2</sub>
Switching voltage (max.)	250 V AC/DC
Continuous Current	8 A
Switching frequency	300 switching cycles/h
Breaking capacity (resistive load)	
Mechanical life	2x10 <sup>7</sup> switching cycles
Electrical life	1x10 <sup>5</sup> switching cycles
Indicator	green LED
<b>Insulation coil - contact set</b>	
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
<b>Housing</b>	
Dimensions	
Dimension (W x H x D)	11.2 mm x 87.5 mm x 60 mm
Dimension (W x H x D)	0.441 in. x 3.445 in. x 2.362 in.
Weight	43 g
Mounting style	Standard rail TH35
Mounting position	any

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<b>Housing</b>	
Apposition	without distance
Connection type	Spring clamp terminal blocks
<b>Terminal blocks</b>	
Wire cross section solid	0.08 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 28-14
Wire cross section multi	0.08 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 28-14
Wire cross section with wire ferrule	0,14 mm <sup>2</sup> - 1,5 mm <sup>2</sup> / AWG 26-16
Stripping length (min.)	10 mm
<b>Material</b>	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
<b>Protection category according to IEC 60529</b>	
Protection category - housing (acc. to IEC 60529)	IP20
<b>Climatic Data</b>	
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
<b>Power loss</b>	
Power loss (typical) coil	900 mW
Power loss (typical) Contact rate	800 mW
<b>Classifications</b>	
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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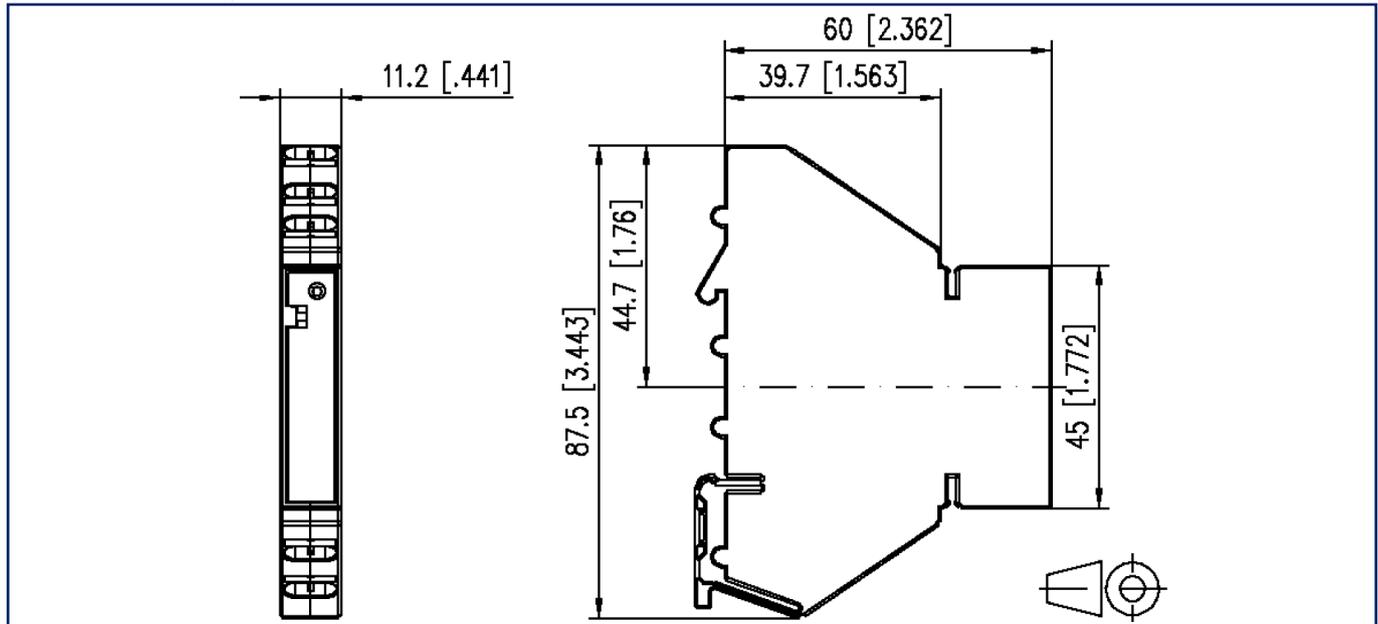
**Accessories**

P/N	Designation
11061925	KRA-M8/21-21, 2 changeover contacts, 24 V DC
110728	Connecting bridge, 10 pole
110729	Labeling plate

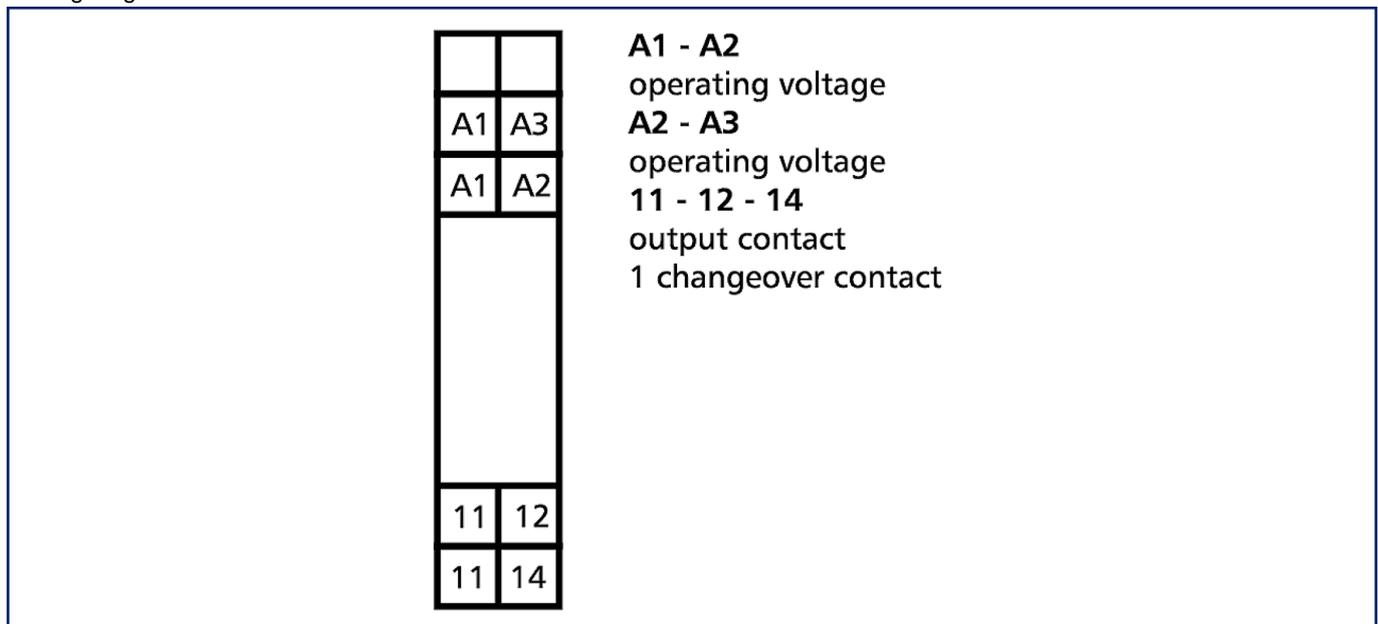


## Illustrations

Dimensional drawing



Wiring diagram



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## Illustrations

Circuit diagram

