

Data sheet

KRA-S12 4S/4S RC

Page 1/5

P/N
160229

EAN 4250184119340

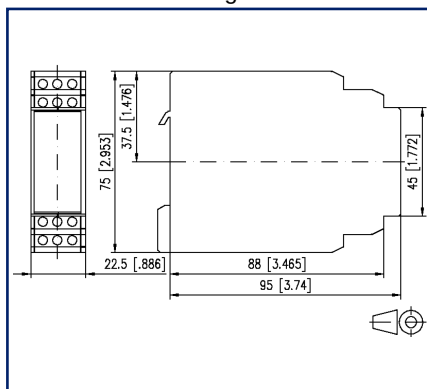
2025/08/19

Version: D

Illustrations



Dimensional drawing



Wiring diagram

14	13	A1	+A1 / A2- 24V DC
A4	A3	A2	+A3 / A2- 24V DC
			+A4 / A2- 24V DC
			+A5 / A2- 24V DC
			operating voltage
			13 - 14
			33 - 34
			43 - 44
			53 - 54
			output contacts
			4 normally open contacts

See enlarged drawings at the end of document

Product specification

The electromechanical relay is developed for versatile control applications. The relay has four normally open contacts and four control inputs, each with integrated protection circuitry to support safe operation. These four separate inputs allow the user to control different voltage levels simultaneously with a single device. The relay outputs include an RC combination for spark quenching, which can improve life and performance. In addition, the relay is equipped with LED indicators for easy status monitoring.

- 4 normally open contacts
- 4 control inputs
- Integrated protective circuit at each input
- RC combination for spark quenching at the relay outputs
- LED control
- Connection with screw type terminal blocks



Data sheet

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Page 2/5

P/N

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Technical Data

Supply

Operating voltage	24 V DC
Power consumption DC (max.)	4 x 13 mA
Total current	4 x 6 A
Response time typical	10 ms
Release time typical	5 ms

Outputs

Contacts	4 normally open contacts
Contact material	AgNi
Switching voltage (max.)	250 V AC/DC
Switch-on current	8 A
Continuous Current	6 A
Switching frequency	360 switching cycles/h
Breaking capacity (resistive load)	
Mechanical life	2x10 ⁷ switching cycles
Electrical life	1x10 ⁵ switching cycles
Indicator	green 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)	22.5 mm x 75 mm x 95 mm
Dimension (W x H x D)	0.886 in. x 2.953 in. x 3.74 in.
Weight	140 g
Mounting style	Standard rail TH35
Mounting position	any
Apposition	without distance
Connection type	Screw type terminal blocks



Data sheet

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Page 3/5

P/N

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Technical Data

Terminal blocks

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

Material

Material - Housing	PA
Color	gray
Material - Terminal block	PA

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

Classifications

ETIM 7.0	EC001437
ETIM 8.0	EC001437
ETIM 9.0	EC001437
ETIM 10.0	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.).



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Page 4/5

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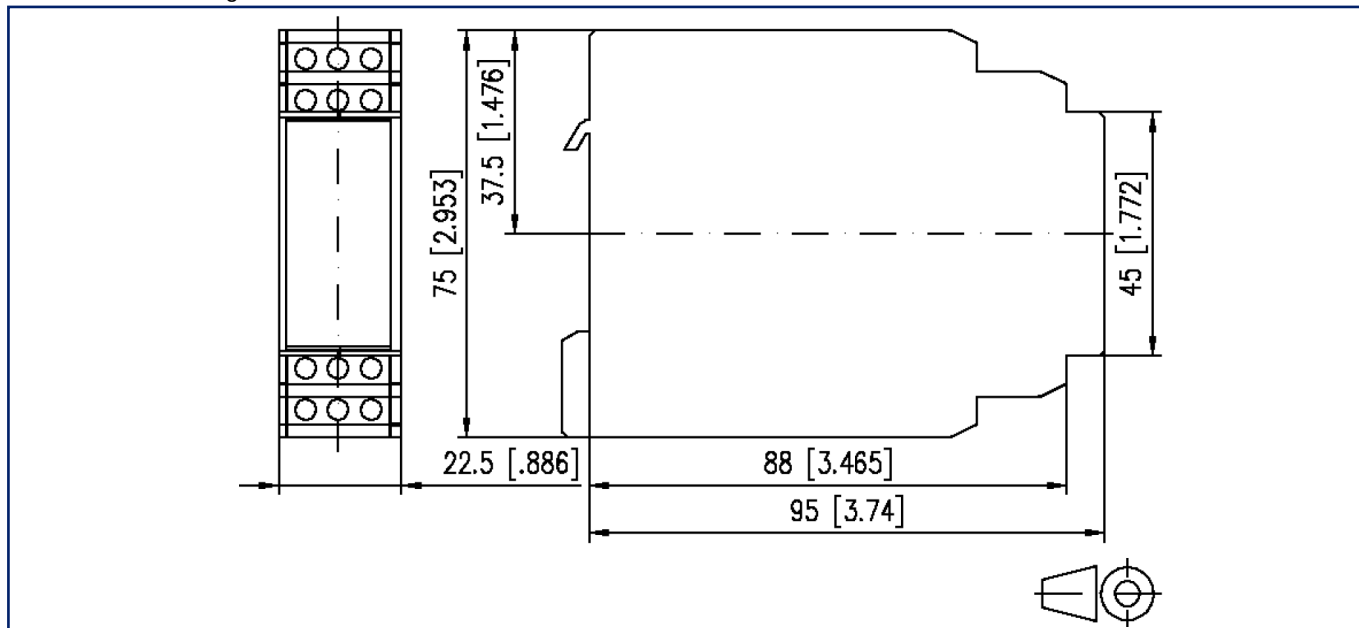
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33	34	A5	
43	54	44	
53			



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Page 5/5

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Circuit diagram

