

Data sheet KAD-C12

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P/N

110656

EAN 4250184122869

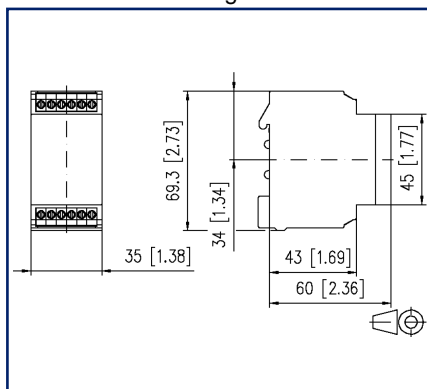
2023/06/20

Version: B

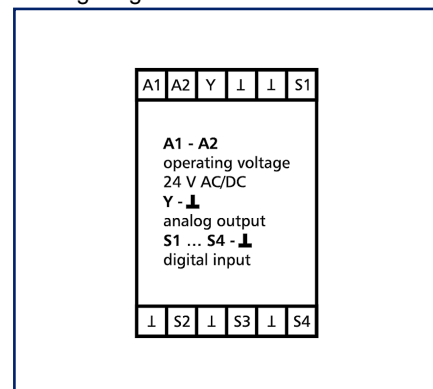
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

The digital/analog converter is designed to convert contacts into an analog signal. The inputs are scanned in steps of 0.5 V. They can be connected to and scanned at a compact control with an analog input (0-10 V). The bridged inputs are signalized by means of LEDs. Example: S1 and S4 bridged corresponds to an output voltage of 4.5 V.

- Switching states are indicated by means of LEDs
- Connection with screw-type terminals

Technical Data

Supply

Operating voltage	24 V AC/DC
Power consumption AC (max.)	60 mA
Power consumption DC (max.)	50 mA

Inputs

Scanning	0.5 V steps
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Outputs

Indicator	yellow LED
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Housing

Dimensions

Dimension (W x H x D)	35 mm x 69.3 mm x 60 mm
Dimension (W x H x D)	1.378 in. x 2.728 in. x 2.362 in.

Weight	30 g
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Mounting style	Standard rail TH35
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Mounting position	any
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Apposition	without distance
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Connection type	Screw type terminal blocks
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Terminal blocks

Wire cross section solid	0.34 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section multi	0.34 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section with wire ferrule	0.34 mm ² - 2.5 mm ² / 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
Material - Covers	Polycarbonat

Technical Data

Protection category according to IEC 60529

Protection category - housing (acc. to IEC 60529) IP40

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

Temperature range

Operating

Temperature - Operating °C -10 °C - 50 °C

Temperature - Operating °F 14 °F - 122 °F

Storage

Temperature - Storage °C -25 °C - 70 °C

Temperature - Storage °F -13 °F - 158 °F

Classifications

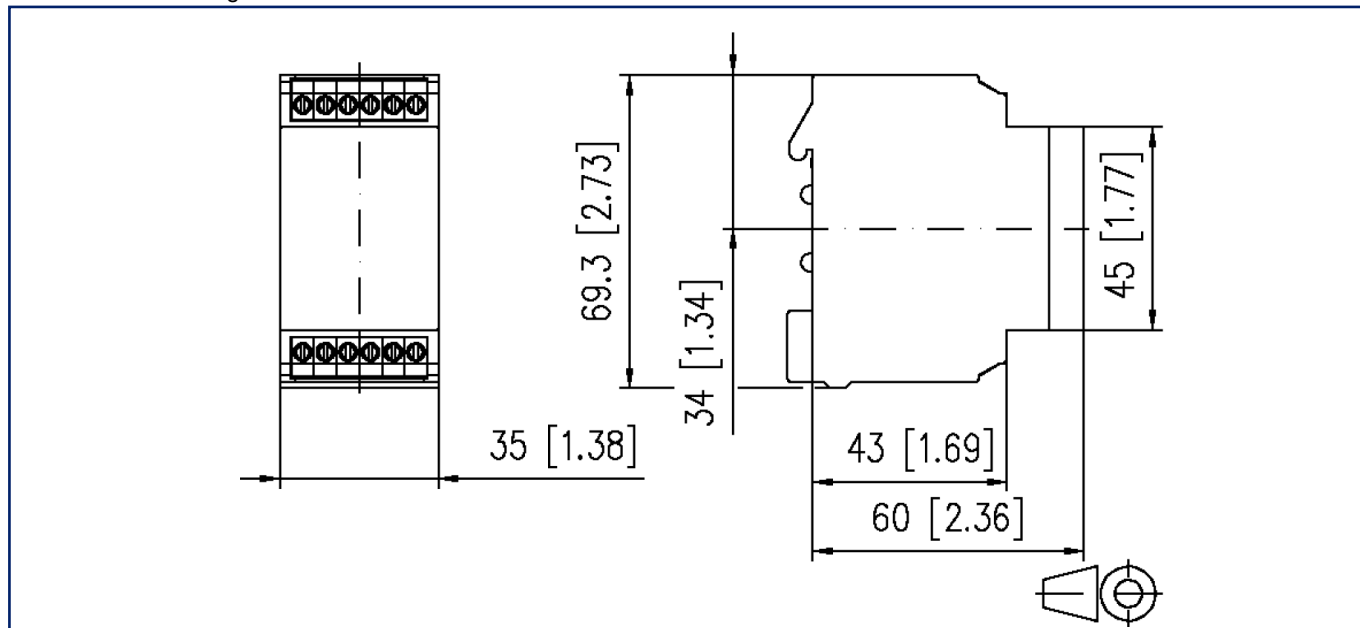
ETIM 7.0 EC000310

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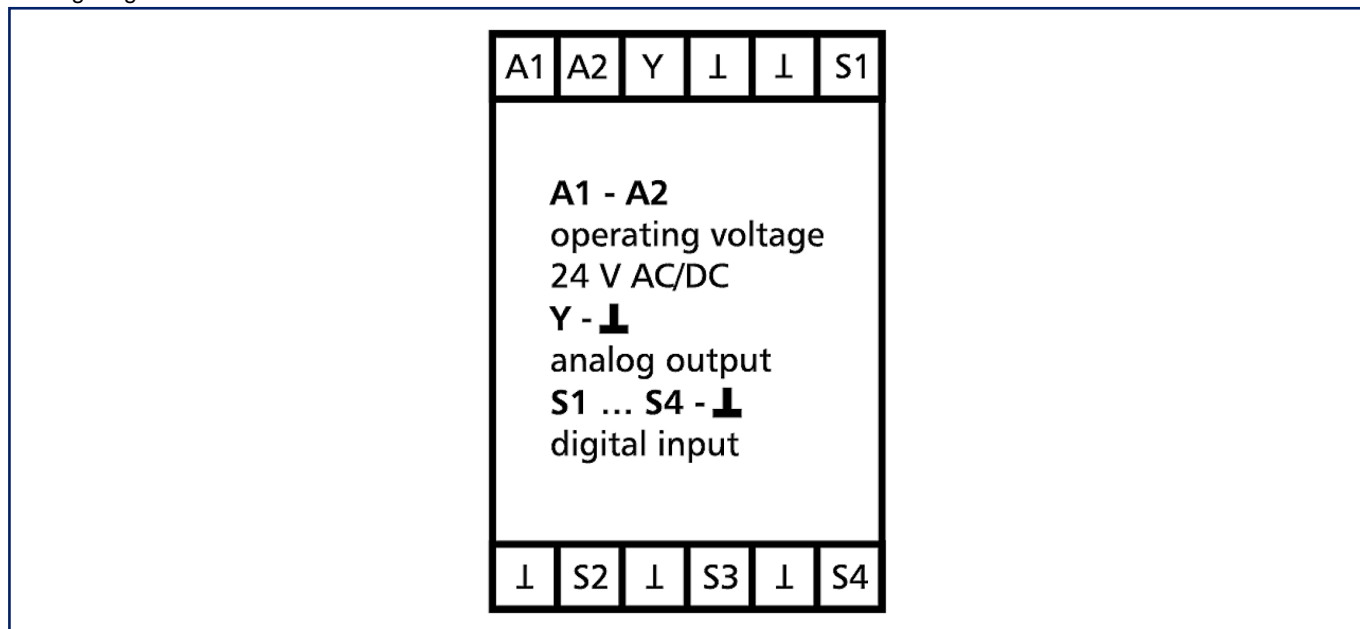
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Illustrations

Dimensional drawing



Wiring diagram



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Wiring diagram

Table of switching conditions

Output V DC	Inputs S 1 2 3 4	Output V DC	Inputs S 1 2 3 4
0.0 V	0 0 0 0	4.5 V	1 0 0 1
0.5 V	1 0 0 0	5.0 V	0 1 0 1
1.0 V	0 1 0 0	5.5 V	1 1 0 1
1.5 V	1 1 0 0	6.0 V	0 0 1 1
2.0 V	0 0 1 0	6.5 V	1 0 1 1
2.5 V	1 0 1 0	7.0 V	0 1 1 1
3.0 V	0 1 1 0	7.5 V	1 1 1 1
3.5 V	1 1 1 0	>7.5 V	1 1 1 1
4.0 V	0 0 0 1		

Value of the inputs

S1 = 0.5 V

S2 = 1.0 V

S3 = 2.0 V

S4 = 4.0 V

Circuit diagram

