C | Logline

METZ CONNECT
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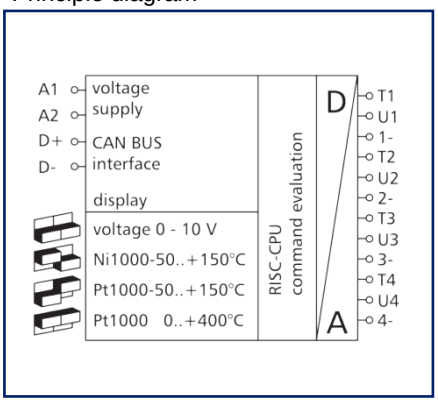
Data sheet
FAE-F 4 24 V AC/DC CAN

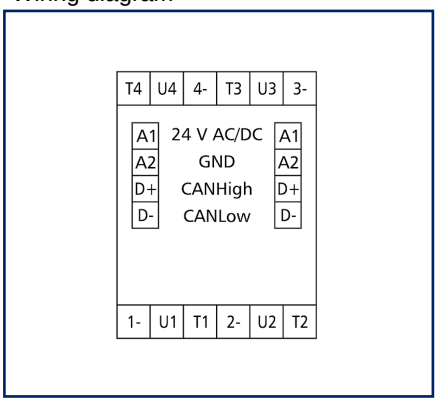
P/N 110574130670
EAN 4251394610092
2023/06/22
Version: C

Illustrations

Principle diagram



Wiring diagram



See enlarged drawings at the end of document

Product specification

CAN module with 4 temperature and 4 voltage inputs. It is suitable for recording temperatures with Ni1000 or PT1000 sensors and voltages of, for example, electrical vent and mixing valves, valve positions, etc. The fieldbus module is an input module for universal use. It is controlled by means of the CAN bus. The module is addressed by means of an adjustable address, and the input states are transmitted in data bytes. If there is one (or more) analog output module(s) with the same address in the system, the voltage measured there is issued at the respective output. Each input can be adjusted either from 0 to 10 V DC, to Ni1000 (-50 °C to 150 °C), PT1000 (-50 °C to 150 °C) or PT1000 (0 °C to 400 °C) by means of a DIP switch.

- Connection with spring clamp terminal blocks (push-in)

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RIA CONNECT BTR NETCOM

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Technical Data

RS485 interface	
Protocol	CAN
Address range	00 - 99
Bus interface	2.0B passive (two wire bus)
Transmission parameters	
Transmission rate	min. 20 Kbit/s - max. 500 Kbit/s
Transmission rate default setting	125 Kbit/s
Supply	
Operating voltage	24 V AC/DC +/- 10 % (SELV)
Power consumption	
Power consumption AC (max.)	67 mA
Power consumption DC (max.)	24 mA
Duty cycle relative	100 %
Recovery time	550 ms
Inputs	
Analog inputs	4
Temperature range (-50 °C to 150 °C)	Ni1000, PT1000
Temperature range (0 °C to 400 °C)	PT1000
Voltage range	0 V - 10 V DC
Resolution voltage input	10 mV / digit
Error voltage input	approx. +/- 20 mV
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	84 g
Mounting style	Standard rail TH35
Mounting position	any
Connection type	Spring clamp terminal blocks
Indicator	green and red LED

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Terminal blocks	
Supply and bus	
Terminal block	4-pole
Solid wire (AWG)	max. 1.5 mm² / max. 16 AWG
Stranded wire (AWG)	max. 1 mm² / max. 18 AWG
Wire diameter	max. 1.4 mm - min. 0.3 mm
Module connection	
Wire cross section solid	0.2 mm² - 2.5 mm² / AWG 24-14
Wire cross section multi	0.25 mm² - 2.5 mm² / AWG 24-12
Wire cross section with wire ferrule	0.25 mm² - 1.5 mm² / AWG 24-16
Stripping length (min.)	8 mm
Protection circuit	Polarity reversal protection for DC operating voltage
Material	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polycarbonat
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	-5 °C - 55 °C
Temperature - Operating °F	23 °F - 131 °F
Storage	
Temperature - Storage °C	-20 °C - 70 °C
Temperature - Storage °F	-4 °F - 158 °F

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Classifications	
ETIM 7.0	EC000794
ETIM 8.0	EC000794
ETIM 9.0	EC000794
Software and additional documents	
Software and documentation	Further documentation is available for free download at www.metz-connect.com

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Accessories

P/N	Designation
110369	Terminal block Type 259
11056170	Power supply NG4-F 24 V DC
31135104	Typ 135 RIACON 135_3.5

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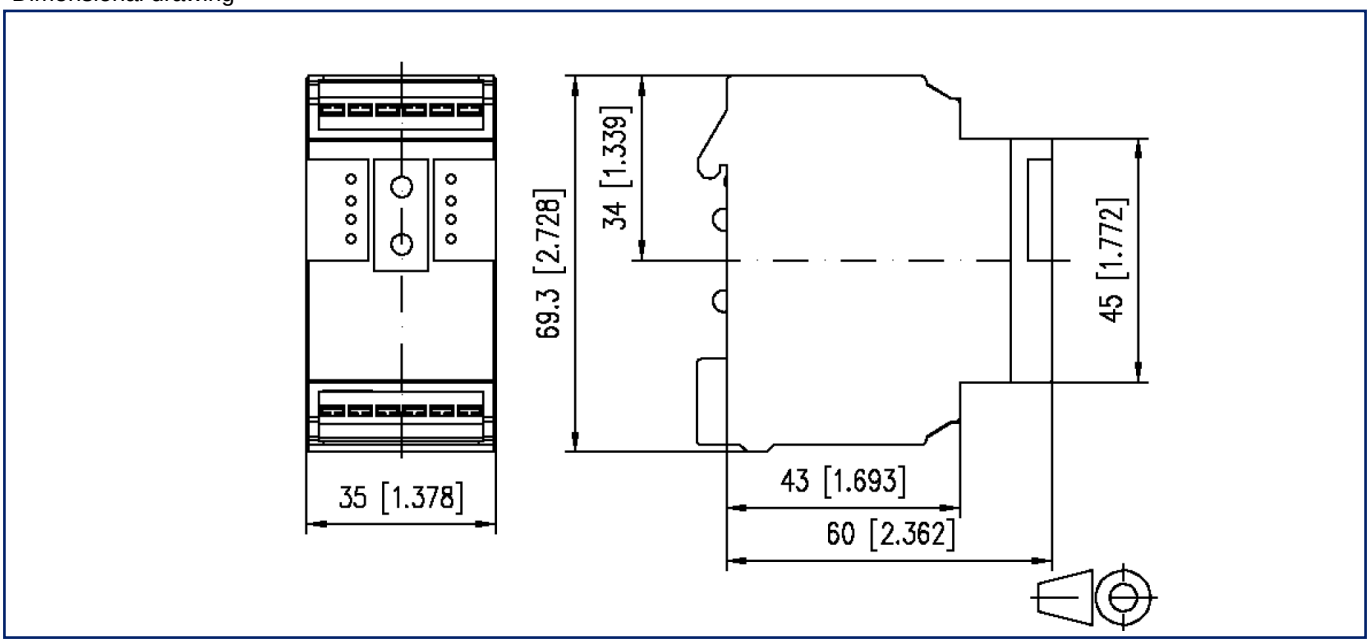
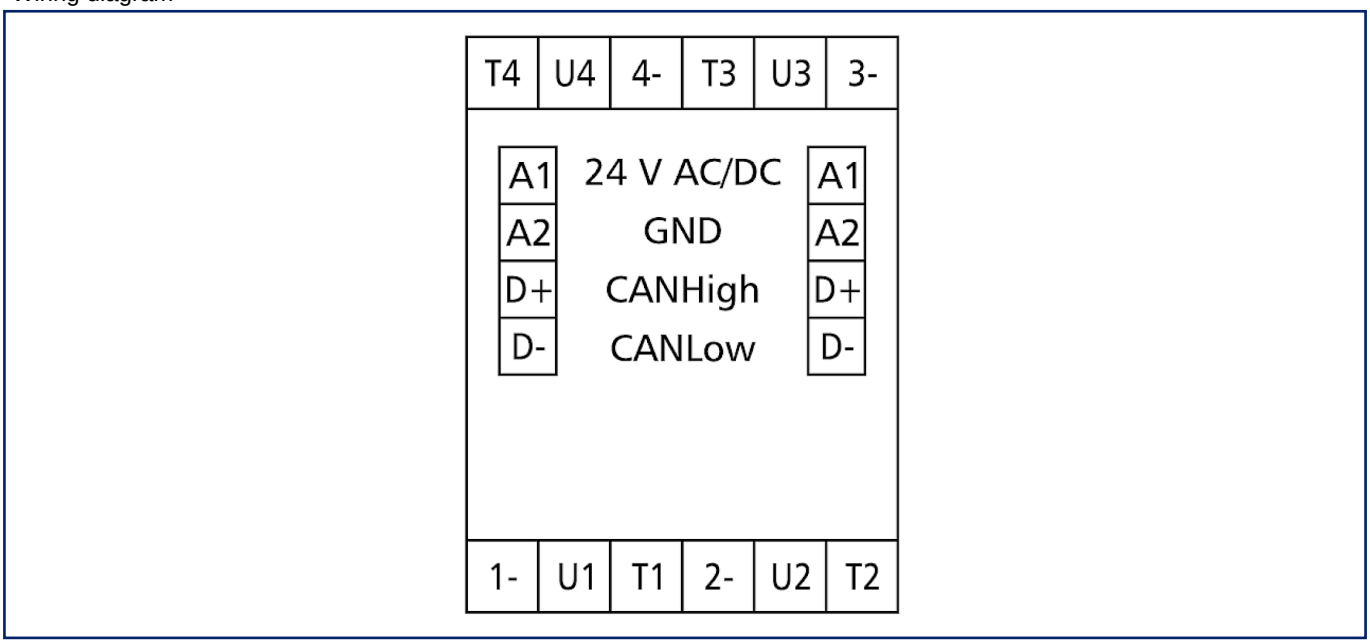
Illustrations

Dimensional drawing



Wiring diagram



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