ADC3-60M | Analog-digital converter



EAN code
ADC3-60M: 8595188133012

Technical parameters	ADC3-60M
Input	
Analog inputs:	6x voltage, current or temperature input
Number of inputs:	6
Galv. separation from inner circuits:	No
Diagnostic:	indication (exceeding the range, interruption of a sensor or overload of Uref output) by the applicable red LED
Common terminal:	COM
Converter resolution:	14 bits
Input resistance - for voltage ranges: - for current ranges:	 approx. 150 kΩ 100 Ω
Types of inputs / measuring ranges*:	**Voltage** (U): 0 ÷ +10 V (U) ; 0 ÷ +2 V (U) **Current** (I) : 0 ÷ +20 mA (I) ; ÷ +20 mA (I) **temperature**: input at ext. temperature sensor TC, TZ, Ni1000, Pt1000, Pt100 see accessories / according to used sensor from -30°C to 250°C
Outputs of the Uref1 and Uref2 voltage	
Voltage** / current of Uref1:	10 or 15 V DC / 100 mA
Voltage** / current of Uref2:	2 or 10 V DC / 20 mA
Communication	
Installation BUS:	BUS
Unit status indication:	green LED RUN
Power supply	
Supply voltage / tolerance:	27 V DC, -20 / +10 %
Rated current:	100 mA (at 27V DC), from BUS
Connection	
Terminal:	max. 2.5 mm²/1.5 mm² with sleeve
Operating conditions	
Operating temperature:	-20 to +55°C
Storing temperature:	-30 to +70°C
Protection degree:	IP20 device, IP40 mounting in the switchboard
Overvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	into a switchboard rail to DIN EN 60715
Desigh:	3-MODULE
Dimensions and weight	
Dimensions:	90 x 52 x 65 mm
Weight:	112 g

* selectable for each input/output individually by configuration in the user program iDM3. Min. supply voltage 24 V DC must be respected when configuring 15 V DC and 100 mA consumption.
** according to load Uref output.

- ADC3-60M is an analog-to-digital converter and is equipped with 6 analog inputs.
- Analog inputs serve to connect temperature sensors or analog sensors that generates current or voltage signal.
- The analog inputs have a resolution of a 14-bit AD converter.
- The analog inputs have a common terminal COM.
- Analog inputs / ouputs are configurable in iDM3 independently as voltage (U) or current (I) or temperature.
- We recommend Clima sensor as a meteo station. There are four types: five to eight outputs. The top series offers measuring of: rainfall, brightness, twilight, speed of wind, temperature and relative humidity.
- The red LEDs in the front panel indicate exceeding the range, interruption of a sensor or overload of Uref output.
- The temperature inputs at the top of the terminal are used to connect the following temperature sensors:
  - TC, TZ, Ni 1000, Pt1000, Pt100
- ADC3-60M in 3-MODULE version is designed for mounting into a switchboard, on a DIN rail EN60715.

Connection

