



EAN code  
ADC3-60M: 8595188133012  
Order Code: 3301

## 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:	approx. 150 k $\Omega$
- for current ranges:	100 $\Omega$
Types of inputs/measuring ranges*:	<b>Voltage (U):</b> 0 ÷ +10 V (U) ; 0 ÷ +2 V (U) <b>Current (I) :</b> 0 ÷ +20 mA (I) ; 4 ÷ +20 mA (I) <b>temperature:</b> input at ext. temperature sensor TC, TZ see accessories/according to used sensor from -40 °C to 125 °C

### Outputs of the Uref1 and Uref2 voltage

Voltage**/current of Uref1:	10 or 15 V DC/100 mA
Voltage**/current of Uref2:	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 %
Dissipated power:	max. 1 W
Rated current:	100 mA (at 27 V DC), from BUS

### Connection

Terminal:	max. 2.5 mm <sup>2</sup> /1.5 mm <sup>2</sup> with sleeve
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### Operating conditions

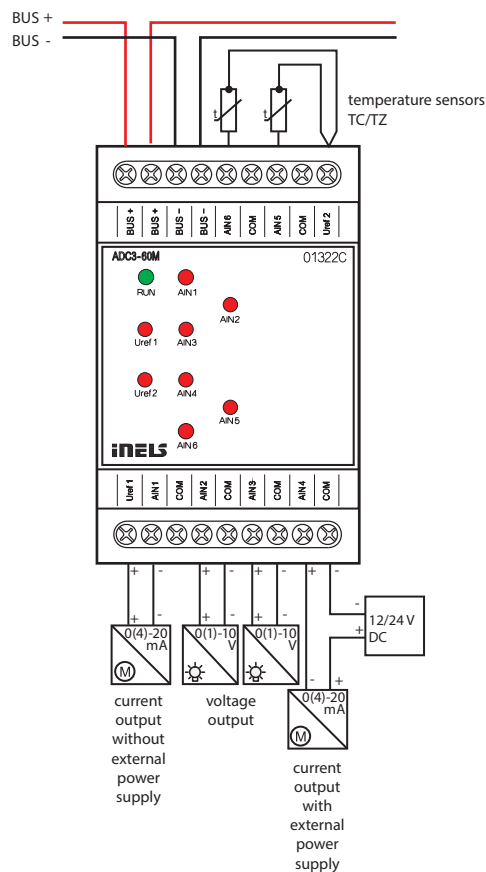
Operating temperature:	-20 to +55 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20 device, IP40 mounting in the switchboard
Overvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	into a switchboard rail to DIN EN 60715
Design:	3-MODULE

### Dimensions and weight

Dimensions:	90 x 52 x 65 mm
Weight:	112 g
Standards:	EN 63044-1

- 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/outputs 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.
- ADC3-60M in 3-MODULE version is designed for mounting into a switch-board, on a DIN rail EN60715.

## Connection



\* 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.