

M600

Analog output module



Summary	The M600 analog output module is a microprocessor-controlled, communicative module containing one analog output. The module uses a RS485 bus for communication, and can be easily integrated in a variety of supervision and control systems.	
Applications	 HVAC and industrial control systems – analog signal output 	
Functions	The output of the module is controlled via the communication bus and can be used either as a 020mA current output or 010V voltage output.	
	The module communicates by means of a RS485 data bus. The communication protocol ensures smooth and easy integration in a number of control and data acquisition systems.	
	Removable connectors are used for all signals as well as for the data line so that mounting is fast and easy. As some communication cables include more pairs in one cable, free cores may be used for powering the module.	
	The communication circuits are protected against overvoltage. If the module is terminating the communication bus, i.e. it is the last in line, a terminating 120 Ω resistor may be switched on by short-circuiting of the BUS END jumpers. Two LEDs located inside of the housing enable fast diagnostics – power up and communication.	
	See domat - Technical application notes for connection examples.	
	All the settings are backed up in a EEPROM chip. The module is equipped with a watchdog circuit and the communication part is galvanically separated.	

- Supply voltage Consumption Working temperature of the module Communication Max. bus length Max. number of modules on the bus Number of analog outputs Output ranges Effective resolution Output load Current output load Dimensions
- 10 V ÷ 35 V DC, 14 V ÷ 24 V AC 2500 mW 0 ÷ 70°C RS485, 1200 ... 19200 bit/s 1200m 256 1 configurable: 0...10V, 0...20mA, 4...20mA 12 bit 10kΩ, max. current 10mA < 500 Ω see below

Terminals



Marking	Description
VO+	"+" voltage output terminal
VO-	"-"voltage output terminal
IO+	",+" current output terminal
IO-	"-" current output terminal
1, 2	power, any polarity
K1+, K1-	communication bus

Dimensions



11/2004 Subject to technical changes.