



EAN code
FA3-66M: 8595188135276

- FA3-66M is a unit (actuator) designed to control fan coil units using analogue / digital inputs and analog / relay outputs.
- Analog inputs for temperature, voltage or current measurement (Uref reference voltage can also be used).
- Digital inputs of NO / NC type with galvanic isolation and potential (24 - 230 V AC / DC).
- Analog outputs 0-10V.
- Connection to the installation BUS.
- Buttons for closing / opening the valve, fan and heating relay.
- The front panel LEDs indicate the status of each output.
- FA3-66M in 6-MODULE version is designed for mounting into a switchboard, on DIN rail EN60715.

Technical parameters FA3-66M	
Input	
Analog inputs:	3x 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 kΩ
- for current ranges:	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
Digital inputs:	3x switching or expansion, positive logic (SINK)
Input voltage:	20 - 240 V AC (50 - 60 Hz) / DC
Galv. separation from internal circuits:	Yes
Common lead:	GO_COM
Outputs	
Analog:	4x (A_OUT1 - A_OUT4)
Voltage analog. output / max. Current:	4x 0(1) - 10 V / 10 mA
Uref reference voltage outputs	
Voltage / Current Uref:	10 V DC / 100 mA
Output overload indication:	red LED OVERLOAD
SSR (Electronic Relay):	4x (VALVE1 - VALVE2)
Switching voltage:	20 - 240 V AC
Switching capacity:	480 VA
Peak current:	20 A, t ≤ 16 ms
Output indication:	yellow LED
Relay:	4x (RE1 - RE4)
Switching voltage:	250 V AC1, 30 V DC
Switching capacity:	1500 VA/AC1, 180 W/DC
Relay outputs separated from from all internal circuits:	reinforced Insulation (Cat. II surges by EN 60664-1)
Minimum switching load:	500 mW (12 V / 10 mA)
Mechanical life:	10x10 ⁶
Electrical life AC1:	6x10 ⁴
Output indication:	yellow LED

* selectable for each input/output individually by configuration in the user program iDM3.

Communication

Installation BUS:	BUS
Status indication unit:	green LED RUN

Power supply

Supply voltage / tolerance:	27 V DC, -20 / +10 %
Rated current:	5 mA (at 27V DC), from BUS

Connection

Terminal:	max. 2.5 mm ² /1.5 mm ² 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:	switchboard on DIN rail EN 60715
Design:	6-MODULE

Dimensions and weight

Dimensions:	90 x 105 x 65 mm
Weight:	307 g

Connection

