

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.
- FA3-066M in 6-MODULE version is designed for mounting into a switchboard, on DIN rail EN60715.

## Technical parameters FA3-66M

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| **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<br>- for voltage ranges:<br>- for current ranges: | <br>approx. 150 kΩ<br>100 Ω |
| Types of inputs / measuring ranges*: | **Voltage** (U): 0 ÷ +10 V (U) ; 0 ÷ +2 V (U)<br>**Current** (I) : 0 ÷ +20 mA (I) ; ÷ +20 mA (I)<br>**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.

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|---|---|
| **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 |
| **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

