

# CF405

## Wired M-BUS to Wireless M-BUS Module

### General

- Support Wired MBUS communication
- Can automatically gain power supply from wired Mbus line
- Support 8 pair Digital input and 2 pair analog input
- Wired Mbus is fully compliant with EN13757-2/3
- Special communication protocol according to Customer(option)

### Technical features

- **Operation voltage : DC 24V-42V**
- **Digital Input**
  - Input voltage less than 3.3V
  - Connected to Positive terminal with opto-couple input
  - Allowed Max 50mA source for digital input
  - Open>20K, Close< 100ohm
  - Support the minimum signal width 5ms(There is 2ms debounce time for filter noise)
  - Support at least poll frequency 5 per second
- **Analog input**
  - support 2 pair analog input, mark with CH1, CH2(for Current, voltage measurement
  - The measure accuracy is better than 5% with integrated ADC of MCU
- **Data rate**
  - wired M-BUS 300~9600(configuration), 2400 typical
- **CE compliant standard**
  - Emission DIN EN50081-1
  - Immunity DIN EN50082-2
  - ESDDIN EN61000-4-2
- **Power consumption**
  - Standby : < 10mA@27V
  - Communication : <30mA@27V
- **Ambient condition**
  - Operation Temp.: -40°C to 70°C
  - Storage Temp.: -40°C to 70°C
  - Max relative humidity: up to 95%, non-condensing
  - IP51

### Performance features

- **EN 13757 Communication systems**

### Weight and dimension

- **Weight: 0.1kg**
- **Dimension: 95.05×36.8×42.65(mm)**
- **Rail according to DIN EN50022**

