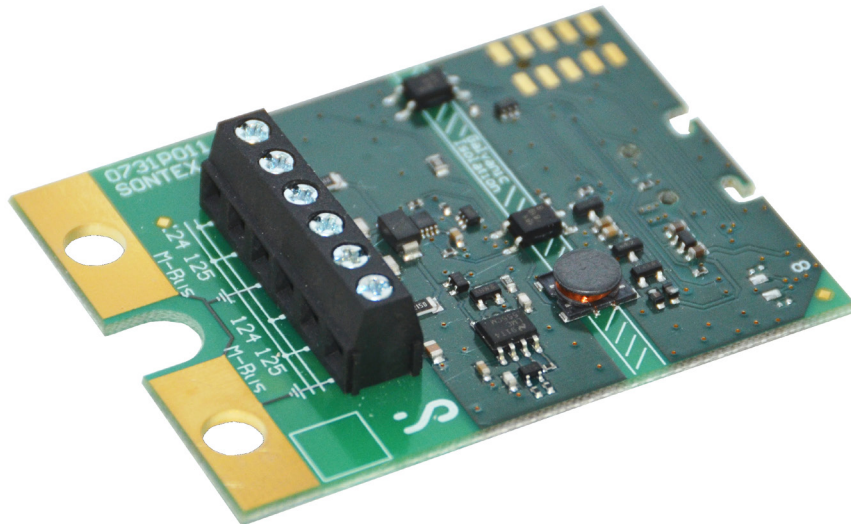


# M-Bus Module

Retrofittable M-Bus module for the SC5 Calculator



# Retrofittable M-Bus Module

## Application

In addition to the M-Bus already included as standard in Supercal 5, the M-Bus communication module offers the possibility of integrating up to two further M-Bus segments in the calculator. This means that a total of up to three independent M-Bus communications can be established.

The module can be configured with the Superprog Windows installation software.

## Features

- Installing one M-Bus communication module in any of the two available slots, the other one remains free for a further module.
- Considering there is already a native M-Bus in the Supercal 5 calculator, it is possible to have three different M-Bus interfaces in a Supercal 5 device.
- When the M-Bus module is connected to the M-Bus network, the module itself is power supplied by the M-Bus and it doesn't consume energie from the Supercal 5.

## Installation

**You can use the M-Bus module with a battery powered Supercal 5. The module is powered via the bus.**

To mount the M-Bus module, the upper part of the housing must be removed. This requires the removal of the user seals. The installation must be carried out by an authorised person. Electricians basic protection must be ensured via the house installation.

The wiring must be carried out according to the wiring diagram in the datasheet. Secure the cables with the strain relief. Pull the cables through the cable sleeves of the Supercal 5. We recommend twisting the connections and providing them with cable lugs. This prevents the danger of short circuits.

Grounding is optional if the chosen cable is shielded.

We recommend the following cables for the signal line:  
U72 1x4x0.8mm<sup>2</sup> or U72M 1x4x0.6m<sup>2</sup>

## Operating

Superprog Windows supports the initial setup of the module and its customization.

Further information on the operation of the software and installation is stored under the path "Help", "User manual" and "Help", "Error description".

The Supercal 5 calculator automatically detects the inserted optional communication modules, then the module is already up and running.

## Safety references

In order to minimize dangers from electrostatic discharges, before you touch the printed circuit board, you should touch a grounded part (e.g. a heating pipe). When connecting you should pay attention to the correct order of the connecting cable. The wires are not exchangeable. The mounting is to be made considering the enclosed installation instruction.

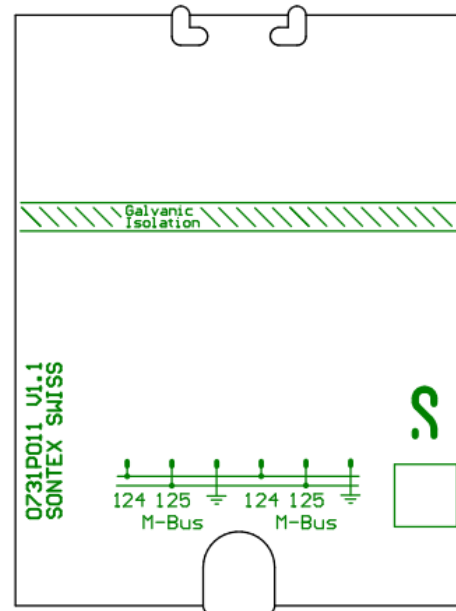
## Operation maintenance

Calibration relevant safety seal as well as the user seals may not be damaged or removed. Otherwise the warranty of the equipment is void. User seals may only be removed by authorized persons for service purposes and to be afterwards renewed

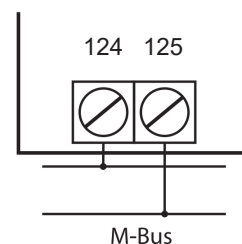
## Technical Data

Designation	Description
Interface definition	According to EN-1434-1
Interface	Potential-free, reverse polarity protected
Transmission speed	300 ... 4800 Baud
Data structure	Variably
Transmission speed (default)	2400 Bauds
Primary address (default)	0
Secondary address (default)	Device Serial N°

## Connections / dimensions



Dimensions: 50 x 66.2 mm



## CE Conformity

according to Directive MID 2014/32/EU  
according to RED 2014/53/EU

## Technical Support

For technical support, please contact your local Sontex agent or Sontex SA directly.

## Sontex Hotline

support@sontex.ch, +41 32 488 30 04

Specifications are subject to change without notice.