Protocol Converter: Modbus to M-Bus
and Available in 5 versions for Modbus RS485: 20-40-80-160-250 slaves

Protocol Converter HD67029M Serie:
Produced by ADWeb.com, is used like language converter from Modbus Protocol to M-Bus and vice-versa, for read M-Bus instruments (Slave) from a Master Modbus.

Modbus:
Is the protocol most frequently used in the industrial and civil automation for the communication with several devices connected in the same net.
Defines the format and the communication mode between a Master, that control the system, and one or more slaves that answer to the master queries.
This can be, for example, a system for measuring temperature, humidity, pressure, hot and/or cold water, etc. .. and allows communication with PC/ PLC.
There are two types of Modbus, divided into the serial RTU and ASCII, and the one on Ethernet, the Modbus TCP.

M-Bus:
Is a specific protocol used for the reading of Energy, hot and cold water, gas, pressure, etc. .. of counters and totalizers.
Usually the M-Bus uses a specific physical connection (Physical layer), but in some cases it uses a RS232 or RS485 [see HD67055].

Other Solution Protocol Converter Modbus / M-Bus:
Several solutions implemented to cover all the cases presented by the market:
- M-Bus / Modbus, for read Modbus instruments [slave] from a Master M-Bus [see HD67059M];
- Modbus / M-Bus, for read M-Bus instruments [slave] from a Master Modbus but with the Slaves M-Bus on RS232 or RS485 [see HD67055];
- Modbus / M-Bus, MultiMaster M-Bus allows to read M-Bus Slaves simultaneously from a Master M-Bus and from a Master Modbus [see HD67063].

Order Code
Technical data:
Operating voltage: 18V .. 35V DC
Consumption single slave: 1,5 mA
M-Bus voltage (without load): 3,5W / 4W
Max. M-Bus quiescent current: 34V
Overcurrent threshold: 30mA (20 unit loads)
Transmission speed RS232/RS485: 250mA
Transmission speed M-Bus: 1200 .. 115.200 baud
Galvanic Isolation to M-Bus: 300 .. 38.400 baud
Temperature range °C / °F: yes
Dimensions DxWxH: 106x60x95 mm

Modbus to M-Bus HD67029M
The products of HD67029M series are protocol converter between Modbus and M-Bus. The Modbus connection is through RS232 or RS485.
The converter is Slave at Modbus side and Master at M-Bus side.
The M-Bus Master allow to connect and to feed up to 250 slaves for length of 350m.
For longer lengths, or with more than 250 slaves, the use of repeaters field (HD67032M series) is suggested.
- European standard EN 1434
- Microprocessor control
- Scalable da 1 a 250 slaves
- Galvanic isolation between Modbus and M-Bus
- 35 mm DIN rail mounting
- Settable transmission speed from 300 to 38400 baud

AC/DC Power supply

**Quick PRICE**

Gas, Oil, Electricity, Hot and Cold Water, Compressed Air, Pressure, …. Other

**QR—quick response**

(matris code)
info Modbus to M-Bus

HD67029M serie

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[Image of HD67029M series diagram]