Modbus to M-Bus HD67055

The products of HD67055 series are protocol converter between Modbus and M-Bus. The Modbus connection is through RS232 or RS485. The converter is Slave at Modbus connection and Master at M-Bus side.

The particularity of this instrument, unlike the HD67029M serie, is in on the protocol used for communication that is placed in the physical level (Physical Layer) of RS232/RS485. This is to meet the needs of those that have M-Bus instruments that communicates via these two types of serial connection instead of the usual M-Bus.

- European standard EN 1434
- Microprocessor control
- Galvanic isolation between Modbus and M-Bus
- 35 mm DIN rail mounting
- Settable transmission speed from 300 to 38400 baud
- AC/DC Power supply

**Protocol Converter: Modbus to M-Bus**

**(RS232/RS485 Physical layer from M-Bus side)**

code HD67055

**Protocol Converter HD67055 Serie:**
Produced by ADFweb.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:**
Several solutions implemented to cover all the cases presented by the market:
- Modbus to M-Bus [HD67029M serie]
- Modbus TCP to M-Bus [HD67044-B2 serie]
- M-Bus to Modbus [HD67059M serie]
- CANopen to M-Bus [HD67051-B2 serie]
- DeviceNet to M-Bus [HD67058-B2 serie]
- Modbus to Multi-Master M-Bus [HD67063]

**Order Code**

<table>
<thead>
<tr>
<th>Technical data:</th>
<th>HD67055</th>
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<tbody>
<tr>
<td>Operating voltage:</td>
<td>9V .. 35V DC</td>
</tr>
<tr>
<td>8V .. 19V AC</td>
<td></td>
</tr>
<tr>
<td>Min / Max-load consumption:</td>
<td>3.5W / 4W</td>
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<tr>
<td>Transmission speed RS232/RS485</td>
<td>1200 .. 115.200 baud</td>
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<tr>
<td>Transmission speed M-Bus:</td>
<td>300 .. 38400 baud</td>
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<tr>
<td>Galvanic Isolation to M-Bus:</td>
<td>yes</td>
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<tr>
<td>Temperature range °C / °F:</td>
<td>-40/+85°C [-40/+185°F]</td>
</tr>
<tr>
<td>Dimensions DxWxH</td>
<td>120x23x107 mm</td>
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</tbody>
</table>

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Price

Quick response (matrix code)

info Modbas to M-Bus HD67055