

M-Bus Cascade module

Up to 250 M-Bus Slaves in one network

Up to 12,000 m cable in one M-Bus system

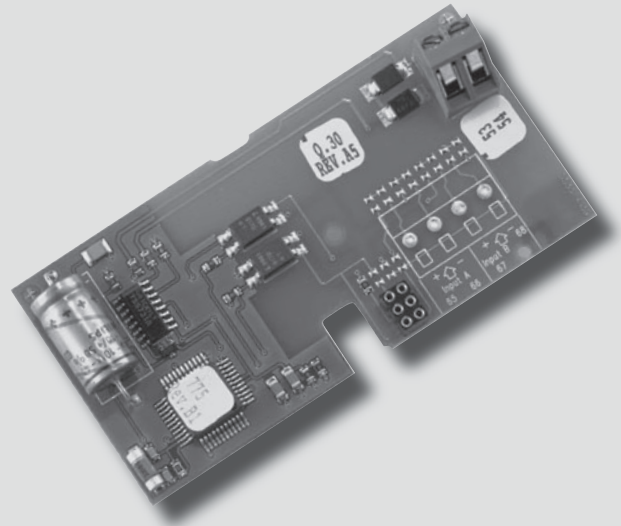
Complies with EN 1434-3

Self-configuring

Easy to mount

Autodetection of baud rate

300 or 2400 baud



Application

The M-Bus Cascade module is used to increase the number of M-Bus Slaves in an M-Bus network from 40 to max. 250 M-Bus Slaves. Furthermore, the cable length can be multiplied by six by using six M-Bus Cascade modules mounted in an M-Bus Master.

M-Bus is a local network which makes it possible to communicate with and read energy meters from a centrally placed M-Bus Master. A network can include from one to 250 M-Bus Slaves as required.

The function of the M-Bus Cascade module is to repeat communication to and from the M-Bus Master.

The M-Bus Cascade module is mounted in an M-Bus Master and needs neither set-up nor address.

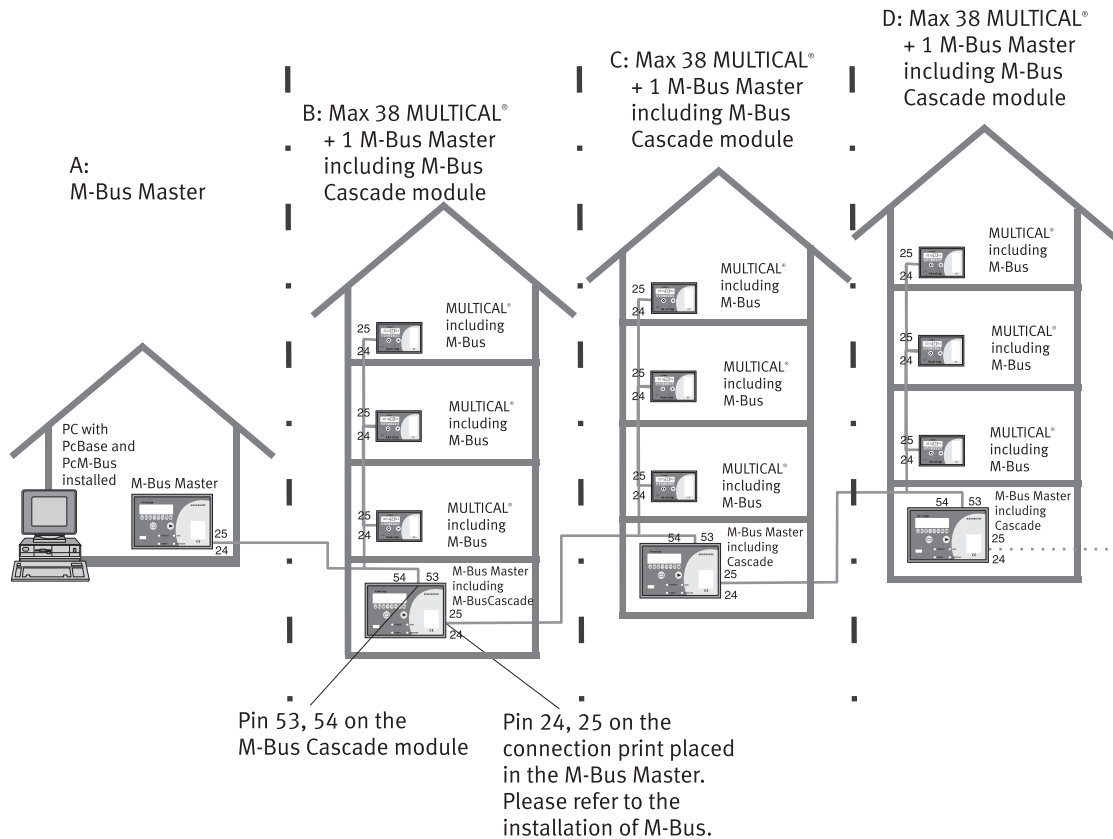
A new M-Bus Master with cascade module is to be connected to an already existing network parallel to one of the connected MULTICAL[®] energy meters with M-Bus Slave. From the new M-Bus Master a new network with 38 energy meters can be established. It is possible to connect up to 6 M-Bus Masters and thereby increase the number of energy meters in the network to a total of 250 meters (primary addressing).



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Connection



Technical Data

Electrical data

Supply	From M-Bus Master*
Power supply	2 mA/2 unit loads (UL)
R_{in}/C_{in}	410 Ω /0.5 nF
Extra cable length per unit	1000 m/0.5 mm ² 1800 m/0.8 mm ²
Number of M-Bus Slaves/ M-Bus Cascade module	38
Communication	300/2400 baud with auto-detection, 1 start bit, 8 data bits, 1 stopbit

*) the M-Bus Master must be supplied with 230 VAC

Mechanical data

Dimensions	45x90 mm
Ambient temperature	0 - 55°C
Mounting	Mounting in M-Bus Master
CE-marking	Fullfills requirements when mounted in M-Bus Master

Ordering

Description

M-Bus Cascade module
M-Bus Master without display
M-Bus Master with display

Type No.

66-98-001-100
66-98-110-xxx
66-98-A10-xxx