

M-Bus Slaves on a view



PadPuls M1 - Art. No.: IM001G

- Pulse adapter (pulse/M-Bus) for 1 meter
- Supplied by M-Bus or battery
- Flexible setup by M-Bus

Technical data:

- 90 x 130 x 43mm
- Wall mounted
- Pulse frequency max. 20Hz
- Quiescent current 1 unit load
- Battery expectancy 8 years exclusively battery operated



PadPuls M1C - Art. No.: IM001GC

- Pulse adapter (pulse/M-Bus) for 1 meter
- Supplied by M-Bus or battery
- Flexible setup by M-Bus
- Floating contact or S₀-input

Technical data:

- 26 x 75 x 111mm
- Mounted on DIN rail TS35
- Pulse frequency max. 20Hz
- Quiescent current 1 unit load
- Battery expectancy 8 years exclusively battery operated
- Power supply for S₀ required Art.No. NT007



PadPuls M2 - Art. No.: IM003G / IM003GB

- Pulse adapter (pulse/M-Bus) for 2 meters
- Supplied by M-Bus or battery
- Flexible setup by M-Bus
- Due-date function
- Input for tariff switch signal

Technical data:

- 80 x 80 x 52mm
- Wall mounted
- Pulse frequency max. 14Hz
- Quiescent current 1 unit load
- Battery expectancy IM003G : > 1 year IM003GB : 8 years exclusively battery operated



PadPuls M2C - Art. No.: IM003GC / IM003GCB

- Pulse adapter (pulse/M-Bus) for 2 meters
- Supplied by M-Bus or battery
- Flexible setup by M-Bus
- Due-date function
- Input for tariff switch signal

Technical data:

- 93 x 51 x 58mm
- Mounted on DIN rail TS35
- Pulse frequency max. 14Hz
- Quiescent current 1 unit load
- Battery expectancy IM003G : > 1 year IM003GB : 8 years exclusively battery operated



PadPuls M4L - Art. No.: IM002G

- Pulse adapter (pulse/M-Bus) for 4 meters
- Supplied by M-Bus or battery
- Flexible setup by M-Bus
- Optical interface (IR)
- Due-date function

Technical data:

- 55 x 77 x 110mm
- Mounted on DIN rail TS35
- Pulse frequency max. 14Hz
- Quiescent current 2 unit loads
- Battery expectancy 3 years exclusively battery operated



PadPuls M4 - Art. No.: IM002GD

- Pulse adapter (pulse/M-Bus) for 4 meters
- Supplied by M-Bus or battery
- Flexible setup by M-Bus or IR
- Due-date function
- Displays actual meter data on the integrated LCD

Technical data:

- 100 x 77 x 110mm
- Mounted on DIN rail TS35
- Pulse frequency max. 14Hz
- Quiescent current 2 unit loads
- Battery expectancy 3 years exclusively battery operated



AnDI 1-4 - Art. No.: MB ANDI1-4

- Analog to M-Bus converter with 1 to 4 channels
- Suitable for industrial sensors
- Integrated supply of sensors
- Input ranges 0/4 - 20mA and 0 - 10V
- Free setup and scaling of metering inputs

Technical data

- 100 x 77 x 110mm
- Mounted on DIN rail TS35 or wall
- External 24V DC power supply needed Art.No. NT005
- Metering resolution 12 bit
- Converting of measured data to physical units



PadIn 4 - Art. No.: MBPADIN4

- M-Bus status module
- Inquiry of four floating contacts
- For alarm units and sensors
- Flexible setup by M-Bus
- Supplied by M-Bus

Technical data:

- 55 x 75 x 110mm
- Mounted on DIN rail TS35 or wall
- Quiescent current 1 unit load
- Debouncing time 2,0ms

M-Bus accessories on a view



ModemMaster20 - Art. No.: MR007A

- M-Bus modem with integrated level converter
- Up to 20 M-Bus slaves
- Short circuit protected
- Transmission speed max. 2400 Baud
- At PC-site modem MOD002 necessary

Technical data:

- 135 x 70 x 29mm
- Aluminium housing
- Mounted on DIN rail TS35
- Quiescent current 20 unit loads
- External plu-in power supply (scope of supply)



M-Bus Modem - Art. No.: MOD002 / MOD003

- M-Bus modem for PC or for level converter available
- Works with every M-Bus to RS232C level converter
- Real 11-Bit transmission
- Transmission speed max. 2400 Baud

Technical data:

- 135 x 70 x 29mm
- Aluminium housing
- external plug-in power supply (scope of supply)
- Mounting:
MOD002: DIN rail TS35
MOD003: Desk top



Serial Device Server - Art. No.: TCP001

- Connects serial devices to the Ethernet
- Converts 10BaseT to RS232C
- For M-Bus level converters and centrals
- Windows driver for virtual COM port
- Keep on using your RS232 software

Technical data:

- 57 x 95 x 30mm
- Mounted on DIN rail TS35 or wall
- Protocols: TCP/IP, UDP/IP, ARP, ICMP
- External plug-in power supply (scope of supply)



Optical head - Art. No.: OK001 / OK004

- Optical head for M-Bus communication
- OK001 for RS232C and OK004 for USB interface
- Integrated magnet
- Supplied by PC / Laptop

Technical data:

- 32x23mm (D x H)
- Optical data according to EN 61107
- Cable length 1,2m
- **OK001:**
RS232C 9 D-SUB-socket
- **OK004:**
USB V1.1 socket type A driver CD in scope of supply



USB-RS232 Adapter - Art. No.: KV002

- Adapter USB to RS232C
- Including extension cable
- USB 2.0
- Supports remote wake-up

Technical data:

- 71 x 35 x 15,5mm
- Cable length approx. 85cm
- Works with Win 98 Win2000 und Win XP
- Driver CD in scope of supply



Plug-in power supplies - Art. No.: NT003 / NT004 / NT005

NT003

- Euro plug
- 12VDC unregulated / 6W
- recommended for: MR005XX MR006XX

NT004

- Euro plug
- 24 VAC / 18W
- recommended for: MR004C

NT005

- Euro plug
- 24VDC regulated / 8W
- recommended for: IM001GC(S₀-interface) AnDi 1-4



DIN rail power supplies - Art. No.: NT006W / NT007

NT006W

- 24VAC / 18W
- 93 x 52,5 x 68,5mm
- Screw terminals
- optional wall mounted (Set in scope of supply)
- recommended for: MR004C / MR005XX / MR006XX

NT007

- 20VDC unregulated / 5W
- 93 x 52,5 x 68,5mm
- Screw terminals
- recommended for: IM001GC (S₀-Interface)



Lightning protector / Overvoltage protector - Art. Nr.: BS001 / BS002

BS001

- Lightning protection for your M-Bus master or slaves
- Mounted on DIN rail TS35 (B=12mm)
- Line-up terminal with replaceable plug-in module
- Lightning discharge current (8/20): 20kA

BS002

- Overvoltage protection for your M-Bus master or slaves
- Mounted on DIN rail TS35 (B=6mm)
- compact line-up terminal
- Lightning discharge current (8/29): 5kA