

UPDATE

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PIC-M-XP

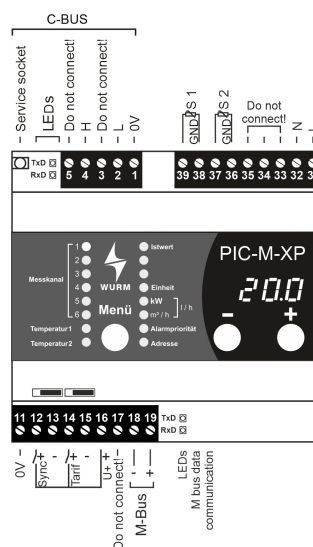
M-BUS BASED CONSUMPTION METERING MODULE



NOTICE

Connection diagram, features and technical data updated!

- Label the page 3-12 in the current product overview 2024 as invalid!
- Use the **PIC-M-XP update** only!



Features

- Consumption recording of electrical energy, heat quantity, water and gas for 6 M bus meters
- Synchronisation with the quarter-hour signal of the energy service provider (ESP)
- Correct tariff metering for 2 tariffs by the connected meters
- Internal storage of power demand for evaluation of power peaks
- Saves extensive consumption values for statistical analysis
- Graphical representation of power consumption and querying of consumption meters and statistics in FRIGODATA XP
- Overload, short circuit and data collision detection on the M bus
- Digital switching channels via BSM001 for load-dependent switching on obtaining or delivery
- Plug-in screw terminals
- Direct connection of a CAN-USB to the service socket
- Connection to the Wurm system via Wurm CAN communication bus (C-BUS) and FRIGODATA XP

Technical data	
Power supply	230V~, +10% / -15%, max. 10VA
Display	2 x LED, CAN bus data traffic (CAN Tx, CAN Rx) 2 x LED, M bus data traffic (Tx, Rx)
C-BUS communication	3-conductor CAN bus interface with integrated power supply, galvanically isolated, service socket
C-BUS baud rate	20kBd, 50kBd, 125kBd
M bus meter communication	M bus interface: up to 6 M bus slaves connectable
M bus baud rate	(300Bd) 2400Bd, 9600Bd
Digital inputs	1 x pulse input, floating for synchronisation of measurement period 1 x switching input, floating for tariff changeover
Temperature sensor	2 x TRK277/7 PLUS or TRK277/G2
Internal clock time	Detection of system clock time from the gateway Power reserve in case of power failure
Central unit	Single-chip microcomputer, data memory
Monitoring system	Self-monitoring of data memory and microcomputer
Dimensions	(W x H x D) 106 x 90 x 58mm (DIN 43880)
Fastening	Top-hat rail TH 35-15 or TH 35-7.5 (DIN EN 60715)
Ambient temperature	Operation: 0...+55°C, storage: -25...+70°C
Weight	About 466g
CE conformity	<ul style="list-style-type: none"> - 2014/30/EU (EMC Directive) - 2014/35/EU (Low Voltage Directive)
	RoHS II

